

एफएडी/FAD

# कार्य योजना

(01 मार्च 2014 तक)

## PROGRAMME OF WORK

(As on 01 March 2014)

खाद्य एवं कृषि विभाग

(एफएडी)

Food & Agriculture Department

(FAD)



भारतीय मानक ब्यूरो

मानक भवन, 9 बहादुरशाह जफर मार्ग

नई दिल्ली 110002

**BUREAU OF INDIAN STANDARDS**

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI 110002

## FOREWORD

The Programme of Work is prepared by each Technical Department of Bureau of Indian Standards to indicate the latest position of published Indian Standards, number of amendments issued on particular published standards, month and year of their last re-affirmation, standards identified for revision or standards in the process of revision etc. It also indicates the draft documents at different stages of processing. This Programme of Work of Food and Agriculture Division Council (FADC) has been prepared Sectional Committee-wise as on **1 April 2012** and arranged in the sequential order of the Sectional Committee Number. The scope of FADC is as under:

**“Standardization in the field of Food, Feed and Agriculture produce covering Food and Feed chain from primary production to consumption. This also includes Agricultural inputs, Agriculture Machinery, Management, Animal keeping and husbandry, Fisheries and Aquaculture, Food Processing, Food and Feed Safety Management, Biotechnology for Food and Agriculture, Drinking water and Ayurveda.”**

In the Programme of Work an asterisk mark (\*) given before a printed standard indicates standard under revision and its relevant document is available at different stage of processing whereas double asterisk mark (\*\*) indicates that standard identified for revision for which document is yet to be prepared. Below a published standard wherever “/ISO....” Standard number is given, it implies that the Indian Standard given above is under dual number system with the relevant ISO standard (i.e. adoption of ISO standard). Alternatively, dual number system with the relevant ISO standards are indicated as “IS/ISO....” Similarly, wherever “| ISO.....” standard number is given, it implies that the Indian Standard given above is technically equivalent with the relevant ISO standard.

A list of standards covered under Certification Marks and those standards published in Hindi and bilingual versions are also enclosed.

It is hoped that this publication would provide the community of Indian Standards users a convenient tool for obtaining the latest information about new and upcoming standards in the field of Food and Agriculture.

For any other informations/clarification, please write to:

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## ANALYSIS ON PRINTED STANDARDS ASPECT-WISE AS ON 1 April 2012

Comm. No.	P	M	C	T	D	S	O	Total
FAD 1	306	1	5	1	-	-	2	315
FAD 2	32	2	2	-	-	-	-	36
FAD 3	16	-	1	-	-	-	-	17
FAD 4	13	11	2	1	-	-	4	31
FAD 5	76	37	35	2	-	-	1	150
FAD 6	15	28	2	3	-	-	5	53
FAD 7	35	28	2	2	-	-	-	67
FAD 8	92	3	-	1	-	-	-	96
FAD 9	33	13	-	2	-	-	-	48
FAD 10	56	11	15	-	-	-	1	83
FAD 11	133	44	13	10	1	2	8	211
FAD 12	29	-	2	1	-	-	1	33
FAD 13	61	11	1	1	-	-	2	76
FAD 14	22	9	1	-	-	-	5	37
FAD 15	13	26	39	-	-	-	13	91
FAD 16	58	29	11	4	-	-	2	104
FAD 17	18	2	11	3	-	1	6	41
FAD 18	40	29	5	1	-	-	4	79
FAD 19	63	41	5	-	-	-	15	124
FAD 20	34	14	4	3	-	1	2	58
FAD 22	-	-	5	1	-	-	-	6
FAD 23	-	6	2	-	-	-	1	9
FAD 24	57	5	1	3	-	-	-	66
FAD 26	-	-	-	-	-	-	-	-
FAD 27	-	39	-	-	-	-	-	39
FAD 28	-	32	9	1	-	-	-	42
<b>Total</b>	1202	421	173	40	1	4	70	<b>1912</b>

### LEGENDS :-

P =	PRODUCTS	M =	METHOD OF TEST
C =	CODE OF PRACTICE	T =	TERMINOLOGY
D =	DIMENSIONS	S =	SYMBOLS
O =	OTHERS		

### CONTENTS

FAD 1 PESTICIDES AND PESTICIDES RESIDUE ANALYSIS

- SCOPE -** A) Pesticides, pesticidal formulations, and other items relating to pest control including safety  
 B) Biopesticides  
 C) Plant growth regulators  
 D) Methods of tests for estimating the residues of different pesticides in various agricultural and food products  
 E) Liaison with ISO/TC 81 Common names for pesticides and other agrochemicals

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 563:1973	Specification for DDT, technical (second revision)	Mar 2012	1
2	IS 565:1984	Specification for DDT water dispersible powder concentrates (third revision)	Mar 2012	2
3	IS 632:1978	Specification for GAMMA - BHC (Lindane) emulsifiable concentrates (fourth revision)	Mar 2012	2
4	IS 633:1985	Specification for DDT emulsifiable concentrates (second revision)	Mar 2012	2
5	IS 634:1965	Specification for ethylene dichloride carbon tetrachloride mixture (3:1 v/v)	Mar 2012	
6	IS 882:1984	Specification for lindane (first revision)	Nov 2009	1
7	IS 885:1994	Common names for pesticides and other agrochemicals (excluding fertilizers) (second revision)	Nov 2009	
8	ISO 1750:1981			
8	IS 1050:1984	Specification for lime sulphur solution (first revision)	Nov 2009	
9	IS 1051:1980	Specification for pyrethrum extracts (second revision)	Mar 2012	6
10	IS 1055:1984	Specification for nicotine sulphate solution (first revision)	Nov 2009	1
11	IS 1251:1988	Specification for zinc phosphide, technical (third revision)	Nov 2009	1
12	IS 1312:1980	Specification for methyl bromide (second revision)	Nov 2009	1
13	IS 1486:1978	Specification for copper oxychloride, technical (second revision)	Mar 2012	
14	IS 1488:1989	Pesticides - 2, 4-D Sodium salt, technical - Specification (third revision)	Nov 2009	1
15	IS 1506:1977	Specification for copper oxychloride dusting powder (second revision)	Mar 2012	
16	IS 1507:1977	Specification for copper oxychloride water dispersible powder concentrates (second revision)	Mar 2012	1

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

17	IS 1665:1977	Specification for cuprous oxide water dispersible powder concentrates (first revision)	Mar 2012	
18	IS 1669:1960	Specification for cuprous oxide dusting powders	Mar 2012	5
19	IS 1682:1973	Specification for cuprous oxide, technical (fungicidal grade) (first revision)	Mar 2012	
20	IS 1824:1978	Specification for insecticidal space spray (second revision)	Mar 2012	5
21	IS 1827:1989	Pesticides - Dimethyl amine SL salts of 2, 4-D - Specification (second revision)	Nov 2009	1
22	IS 1832:1978	Specification for malathion, technical (first revision)	Mar 2012	2
23	IS 1833:1980	Specification for diazinon, technical (first revision)	Mar 2012	
24	IS 2127:1984	Specification for stabilized methoxy ethyl mercury chloride (MEMC) concentrate (first revision)	Nov 2009	1
25	IS 2358:1984	Specification for formulation based on stabilized methoxy ethyl mercury chloride (MEMC) concentrate (first revision)	Nov 2009	1
26	IS 2567:1978	Specification for malathion emulsifiable concentrates (second revision)	Mar 2012	2
27	IS 2568:1978	Specification for malathion dusting powders (second revision)	Mar 2012	2
28	IS 2569:1978	Specification for malathion water dispersible powder concentrates (second revision)	Mar 2012	4
29	IS 2570:1980	Specification for methyl parathion, technical (first revision)	Mar 2012	2
30	IS 2861:1980	Specification for diazinon emulsifiable concentrates (first revision)	Mar 2012	2
31	IS 2862:1984	Specification for diazinon water dispersible powder concentrates (first revision)	Nov 2009	2
32	IS 2865:1978	Specification for methyl parathion emulsifiable concentrates (first revision)	Mar 2012	6
33	IS 3284:1984	Specification for organo mercurial dry seed dressing formulations (first revision)	Nov 2009	2
34	IS 3383:1982	Specification for wettable sulphur powder (second revision)	Nov 2009	2
35	IS 3898:1981	Specification for zineb, technical (first revision)	Mar 2012	1
36	IS 3899:1981	Specification for zineb water dispersible powders (first revision)	Mar 2012	2
37	IS 3900:1975	Specification for ziram, technical (first revision)	Mar 2012	

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38	IS 3901:1975	Specification for ziram water dispersible powder (first revision)	Mar 2012	2
39	IS 3902:1975	Specification for dimethoate, technical (first revision)	Nov 2009	3
40	IS 3903:1984	Specification for dimethoate emulsifiable concentrates (second revision)	Nov 2009	3
41	IS 3904:1966	Specification for thiometon concentrates	Mar 2012	1
42	IS 3905:1966	Specification for thiometon emulsifiable concentrates	Mar 2012	6
43	IS 4015:1998	Guide for handling cases of pesticide poisoning (first revision)	Nov 2009	
44	IS 4320:1982	Specification for thiram, technical (first revision)	Mar 2012	
45	IS 4321:1989	Pesticides - 2, 4-D, technical (second revision)	Nov 2009	1
46	IS 4322:1967	Specification for endosulfan dusting powders	Mar 2012	4
47	IS 4323:1980	Specification for endosulfan emulsifiable concentrates (first revision)	Mar 2012	2
48	IS 4324:1967	Specification for endosulfan water dispersible powder concentrates	Mar 2012	5
49	IS 4344:1978	Specification for endosulfan, technical (first revision)	Mar 2012	1
50	IS 4766:1982	Specification for thiram water dispersible powder (first revision)	Nov 2009	3
51	IS 4783:1982	Specification for thiram seed dressing formulations (first revision)	Nov 2009	2
52	IS 4808:1982	Specification for pyrethrum emulsifiable concentrates (first revision)	Nov 2009	2
53	IS 4929:1978	Specification for dichlorvos, technical (first revision)	Mar 2012	3
54	IS 4958:2005	Phosphamidon, technical - Specification (first revision)	May 2010	
55	IS 5277:1978	Specification for dichlorvos emulsifiable concentrates (first revision)	Mar 2012	5
56	IS 5278:1969	Specification for dicofol, technical	Mar 2012	
57	IS 5279:1969	Specification for dicofol emulsifiable concentrates	Mar 2012	3
58	IS 5280:1969	Specification for fenitrothion, technical	Mar 2012	1

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59	IS 5281:1979	Specification for fenitrothion emulsifiable concentrates (first revision)	Mar 2012	1
60	IS 5549:1970	Specification for warfarin bait concentrates	Mar 2012	5
61	IS 5551:1970	Specification for warfarin-sodium, technical	Mar 2012	
62	IS 5552:1970	Specification for warfarin, technical	Mar 2012	
63	IS 6014:1978	Specification for emulsifiable larvicidal oil, pyrethrum based (first revision)	Mar 2012	5
64	IS 6177:2005	Phosphamidon soluble liquid (SL) - Specification (second revision)	May 2010	
65	IS 6178:1982	Specification for pyrethrum dusting powders (first revision)	Nov 2009	1
66	IS 6438:1980	Specification for aluminium phosphide formulations (first revision)	Nov 2009	3
67	IS 6444:1979	Specification for sulphur dusting powders (first revision)	Mar 2012	
68	IS 6940:1982	Methods of test for pesticides and their formulations (first revision)	Mar 2012	2
69	IS 7121:1973	Specification for carbaryl water dispersible powder concentrates	Nov 2009	4
70	IS 7122:1984	Specification for carbaryl dusting powders (first revision)	Mar 2012	1
71	IS 7126:1973	Specification for fenitrothion dusting powders	Mar 2012	1
72	IS 7168:1973	Specification for warfarin sodium salt water soluble powders	Mar 2012	2
73	IS 7233:1991	Pesticide - 2, 4-D Ethyl ester, technical specification (second revision)	Nov 2009	
74	IS 7539:1975	Specification for carbaryl, technical	Mar 2012	5
75	IS 7943:1976	Specification for trichlorfon dusting powders	Mar 2012	1
76	IS 7945:1976	Specification for trichlorfon, technical	Mar 2012	
77	IS 7948:1987	Specification for fenthion emulsifiable concentrates (first revision)	Mar 2012	3
78	IS 7950:1989	Pesticides - Fenthion, technical - Specification (first revision)	Mar 2012	
79	IS 7976:1976	Specification for phorate, technical	Mar 2012	2

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80	IS 8024:1976	Specification for formothion, technical solution	Mar 2012	1
81	IS 8025:1990	Monocrotophos, technical - Specification (second revision)	Mar 2012	
82	IS 8026:1987	Specification for formothion EC (first revision)	Mar 2012	1
83	IS 8027:1976	Specification for propanil emulsifiable concentrates	Mar 2012	1
84	IS 8028:1987	Specification for Quinalphos EC (first revision)	Mar 2012	2
85	IS 8029:1985	Specification for quinalphos dusting powders (first revision)	Mar 2012	2
86	IS 8071:1976	Specification for propanil, technical	Mar 2012	
87	IS 8072:1984	Specification for quinalphos, technical (first revision)	Mar 2012	3
88	IS 8074:1990	Monocrotophos SL - Specification (second revision)	Mar 2012	2
89	IS 8190(Part 1):1988	Requirement for packing of pesticides: Part 1 Solid pesticides (second revision)	Nov 2009	4
90	IS 8190(Part 2):1988	Requirement for packing of pesticides: Part 2 Liquid pesticides (second revision)	Nov 2009	5
91	IS 8190(Part 3):1979	Requirement for packing of pesticides: Part 3 Household pesticides	Nov 2009	2
92	IS 8190(Part 4):1988	Requirement for packing of pesticides: Part 4 Fumigants (first revision)	Nov 2009	1
93	IS 8258:1976	Specification for oxydemeton-methyl technical concentrates	Mar 2012	2
94	IS 8259:1976	Specification for oxydemeton-methyl emulsifiable concentrates	Mar 2012	2
95	IS 8267:1976	Specification for dalapon - sodium, technical	Mar 2012	1
96	IS 8286:1976	Specification for dalapon - sodium salt, water soluble powders	Mar 2012	1
97	IS 8291:1976	Specification for phenthoate emulsifiable concentrates	Mar 2012	2
98	IS 8293:1976	Specification for Phenthoate, Technical	Mar 2012	1
99	IS 8294:1976	Specification for liquid Amine Salts of MCPA	Mar 2012	1
100	IS 8445:1991	Pesticide - Carbendazim (MBC), technical - Specification (first revision)	Mar 2012	1

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101	IS 8446:1991	Pesticide - Carbendazim (MBC) WP - Specification (first revision)	Mar 2012	2
102	IS 8487:1977	Specification for phosalone emulsifiable concentrates	Mar 2012	4
103	IS 8488:1977	Specification for phosalone, technical	Mar 2012	4
104	IS 8489:1977	Specification for phosalone dusting powders	Mar 2012	2
105	IS 8494:1977	Specification for MCPA, technical	Mar 2012	
106	IS 8496:1977	Specification for propoxur, technical	Mar 2012	5
107	IS 8497:1982	Specification for paraquat dichloride water soluble concentrates (first revision)	Mar 2012	1
108	* IS 8498:1977	Specification for temephos emulsifiable concentrates	Mar 2012	4
109	* IS 8701:1996	Temephos, technical - Specification (first revision)	Mar 2012	
110	* IS 8702:1978	Specification for diuron, technical	Mar 2012	3
111	IS 8703:1978	Specification for diuron water dispersible powder concentrates	Mar 2012	2
112	IS 8707:2013	Specification for mancozeb, technical		1
113	IS 8708:2006	Mancozeb Wettable Powder - Specification (first revision)	May 2010	
114	IS 8944:2005	Chlorpyrifos emulsifiable concentrates - Specification (first revision)	May 2010	
115	IS 8954:1978	Specification for edifenphos, technical	Nov 2009	4
116	IS 8955:1978	Specification for edifenphos emulsifiable concentrates	Mar 2012	2
117	IS 8958:1978	Specification for fluchloralin, technical concentrates	Mar 2012	
118	IS 8959:1978	Specification for fluchloralin emulsifiable concentrates	Mar 2012	2
119	IS 8960:1978	Specification for methyl parathion dusting powders (to be withdrawn)	Mar 2012	2
120	IS 8961:1978	Specification for chlormequat chloride, technical	Mar 2012	
121	IS 8962:1978	Specification for chlormequat chloride aqueous solutions	Mar 2012	1

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122	IS 8963:2006	Chlorpyrifos, technical - Specification (first revision)	May 2010	
123	IS 9351:1980	Specification for nickel chloride hexahydrate, pesticidal grade	Mar 2012	
124	IS 9353:1980	Specification for alachlor, technical	Mar 2012	1
125	IS 9354:1980	Alachlor emulsifiable concentrates	Mar 2012	2
126	IS 9355:1980	Specification for butachlor, technical	Mar 2012	3
127	IS 9356:1980	Specification for butachlor emulsifiable concentrates	Mar 2012	3
128	IS 9357:1980	Specification for triallate, technical	Mar 2012	
129	IS 9358:1980	Specification for triallate emulsifiable concentrates	Mar 2012	2
130	IS 9359:1995	Pesticide - Phorate G encapsulated - Specification (first revision)	Mar 2012	1
131	IS 9360:1980	Specification for carbofuran granules, encapsulated	Mar 2012	3
132	IS 9361:1980	Specification for alachlor granules	Mar 2012	3
133	IS 9362:1980	Specification for butachlor granules	Mar 2012	3
134	IS 9363:1980	Specification for fenthion granules	Mar 2012	3
135	IS 9364:1980	Specification for trichlorfon granules	Mar 2012	2
136	IS 9365:1980	Fenitrothion granules	Mar 2012	2
137	IS 9366:1987	Specification for quinalphos granules (first revision)	Mar 2012	1
138	IS 9368:1980	Specification for carbaryl granules	Mar 2012	2
139	IS 9369:1980	Specification for diazinon granules	Mar 2012	3
140	IS 9370:1980	Specification for lindane granules	Mar 2012	3
141	IS 9372:1980	Specification for methyl parathion, technical concentrates	Mar 2012	2
142	IS 9656:1980	Specification for tridemorph emulsifiable concentrates	Mar 2012	2

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143	IS 9665:1981	Specification for propoxur emulsifiable concentrates	Mar 2012	3
144	IS 9666:1980	Specification for blank granules	Nov 2009	1
145	IS 9667:1981	Specification for tridemorph, technical	Mar 2012	
146	IS 10119:1982	Ready-to-use insecticides for spot application	Nov 2009	2
147	IS 10243:1993	2, 4-D ethyl ester EC - Specification (first revision)	Mar 2012	3
148	IS 10244:1992	2, 4-D ethyl ester WP - Specification (first revision)	Mar 2012	1
149	IS 10265:1982	Specification for endosulfan granules	Nov 2009	2
150	IS 10267:1982	Specification for phenthoate granules	Nov 2009	1
151	IS 10295:1982	Specification for fenitrothion water dispersible powders	Nov 2009	2
152	IS 10300:1982	Specification for captafol, technical	Nov 2009	
153	IS 10319:1982	Specification for ethion emulsifiable concentrate	Nov 2009	3
154	IS 10369:1982	Specification for ethion, technical	Nov 2009	1
155	IS 10627:1983	Methods for sampling of pesticide formulations	Nov 2009	1
156	IS 10946:1996	Method of sampling for technical grade pesticides (first revision)	Nov 2009	
157	IS 10950:1984	Specification for phenthoate dusting powders	Nov 2009	1
158	IS 11007:1984	Specification for methabenzthiazuron, technical	Nov 2009	
159	IS 11008:1984	Specification for methabenzthiazuron water dispersible powder concentrates	Nov 2009	2
160	IS 11010:1984	Specification for ziram colloidal suspension	Nov 2009	4
161	IS 11019:1984	Specification for carbofuran, technical	Nov 2009	
162	IS 11151:1984	Specification for barium carbonate, pesticidal grade	Nov 2009	
163	IS 11784:1986	Specification for carbaryl lindane granules	Mar 2012	4

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164	IS 11785:1986	Specification for captan (Wettable Powder) WP	Mar 2012	3
165	IS 11995:1987	Isoproturon, WP	Mar 2012	3
166	IS 11996:1987	Deltamethrin EC	Mar 2012	2
167	IS 11997:1987	Specification for fenvalerate EC	Mar 2012	2
168	IS 12003:1987	Specification for fenvalerate, technical	Mar 2012	5
169	IS 12004:1987	Specification for isoproturon, technical	Mar 2012	2
170	IS 12005:1987	Specification for deltamethrin, technical	Mar 2012	3
171	IS 12015:1987	Specification for cypermethrin, technical	Mar 2012	3
172	IS 12016:1987	Specification for cypermethrin EC	Mar 2012	4
173	IS 12017:1987	Specification for cypermethrin technical concentrate	Mar 2012	2
174	IS 12501:1988	Specification for ferbam, technical	Nov 2009	
175	IS 12502:1988	Specification for glyphosate, technical	Nov 2009	
176	IS 12562:1988	Ferbam WP - Specification	Nov 2009	1
177	IS 12685:1989	Pesticides Pendimethalin, technical - Specification	Nov 2009	
178	IS 12702:1989	Pesticides - Pendimethalin granules - Specification	Nov 2009	1
179	IS 12751:1989	Pesticides Pendimethalin EC - Specification	Nov 2009	1
180	IS 12768:1989	Pesticides - Thiobencarb, technical - Specification	Nov 2009	
181	IS 12769:1989	Pesticides - Thiobencarb EC - Specification	Nov 2009	1
182	IS 12873:1990	Copper oxychloride OP - Specification	Mar 2012	3
183	IS 12912:1990	Bromadiolone RB - Specification	Mar 2012	
184	IS 12913:1990	Bromadiolone CB - Specification	Mar 2012	1

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185	IS 12914:1990	Bromadiolone, technical - Specification	Mar 2012	2
186	IS 12915:1990	Acephate, technical - Specification	Mar 2012	4
187	IS 12916:1990	Acephate SP - Specification	Mar 2012	1
188	IS 12931:1990	Atrazine, WP - Specification	Mar 2012	1
189	IS 12932:1990	Atrazine, technical - Specification	Mar 2012	
190	IS 12944:1990	Dithianon, technical - Specification	Mar 2012	
191	IS 12945:1990	Dithianon WP - Specification	Mar 2012	2
192	IS 13070:1991	Alpha naphthyl acetic acid, technical	Mar 2012	
193	IS 13080:1991	Pesticide - Pirimiphos methyl, technical - Specification	Mar 2012	
194	IS 13097:1991	Fluvalinate, technical	Mar 2012	
195	IS 13110:1991	Carboxin, technical - Specification	Mar 2012	1
196	IS 13132:1991	Chlorothalonil, technical - Specification	Mar 2012	
197	IS 13133:1991	Chlorothalonil WP - Specification	Mar 2012	1
198	IS 13138:1991	Pesticide - Alpha naphthyl acetic acid SL - Specification	Mar 2012	
199	IS 13146:1991	Allethrin, technical - Specification	Mar 2012	
200	IS 13172:1991	Fluvalinate EC - Specification	Mar 2012	2
201	IS 13328:1992	Pesticide - Triadimefon, technical - Specification	Mar 2012	
202	IS 13329:1992	Pesticide - Triadimefon WP - Specification	Mar 2012	1
203	IS 13330:1992	Pesticide - Bitertanol, technical - Specification	Mar 2012	
204	IS 13331:1992	Pesticide - Bitertanol specification	Mar 2012	1
205	IS 13332:1992	Pesticide - Metribuzin, technical - Specification	Mar 2012	

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206	IS 13333:1992	Pesticide - Metribuzin WP - Specification	Mar 2012	1
207	IS 13402:1992	Pesticide - Anilophos, technical - Specification	Mar 2012	
208	IS 13403:1992	Pesticide - Anilophos EC - Specification	Mar 2012	2
209	IS 13438:1992	Allethrin - Mosquito coils - Specification	Mar 2012	3
210	IS 13439:1992	Allethrin - Mosquito mats - Specification	Mar 2012	4
211	IS 13454:1992	Pesticide - Pirimiphos methyl WP - Specification	Mar 2012	
212	IS 13455:1992	Pesticide - Pirimiphos methyl EC - Specification	Mar 2012	
213	IS 13456:1992	Pesticide - Pirimiphos methyl space spray - Specification	Mar 2012	1
214	IS 13457:1992	Pesticide - Deltamethrin WP - Specification	Mar 2012	2
215	IS 13458:1992	Pesticide - Metalaxyl, technical - Specification	Mar 2012	
216	IS 13513:1992	2, 4-D ethyl ester granules - Specification	Mar 2012	1
217	IS 13641:1992	Pesticide - Metalaxyl WS - Specification	Mar 2012	
218	IS 13692:1993	Metalaxyl mancozeb WP - Specification	Mar 2012	
219	IS 13784:1993	Pesticide - Dodine, technical - Specification	Mar 2012	
220	IS 13785:1993	Pesticide - Dodine, WP - Specification	Mar 2012	1
221	IS 13786:1993	Pesticide - Benomyl, technical - Specification	Mar 2012	
222	IS 13787:1993	Pesticide - Benomyl WP - Specification	Mar 2012	
223	IS 13788:1993	Pesticide - Kitazin, technical - Specification	Mar 2012	
224	IS 13789:1993	Pesticide - Kitazin granules - Specification	Mar 2012	
225	IS 13790:1993	Pesticide - Kitazin EC - Specification	Mar 2012	
226	IS 14156:1994	Pesticide - Cyfluthrin, technical - Specification	Nov 2009	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

227	IS 14157:1994	Simazine, technical - Specification	Nov 2009	
228	IS 14158:1994	Cyfluthrin WP - Specification	Nov 2009	1
229	IS 14159:1994	Cartap hydrochloride, technical - Specification	Nov 2009	
230	IS 14160:1994	Simazine WP - Specification	Nov 2009	1
231	IS 14183:1994	Pesticide - Cartap hydrochloride SP - Specification	Nov 2009	1
232	IS 14184:1994	Pesticide - Cartap hydrochloride G - Specification	Nov 2009	1
233	IS 14185:1994	Pesticide - Diflubenzuron, technical - Specification	Nov 2009	1
234	IS 14186:1994	Pesticide - Diflubenzuron WP - Specification	Nov 2009	1
235	IS 14249:1995	Etofenprox, technical - Specification	Nov 2009	
236	IS 14250:1995	Etofenprox EC - Specification	Nov 2009	
237	IS 14251:1995	Captan, technical - Specification	Nov 2009	2
238	IS 14299:1995	Neem extract concentrate containing azadirachtin - Specification	Nov 2009	2
239	IS 14300:1995	Neem based EC containing azadirachtin - Specification	Nov 2009	3
240	IS 14408:1996	Ethepon, technical - Specification	Mar 2012	
241	IS 14409:1996	Ethepon, solution - Specification	Mar 2012	
242	IS 14410:1996	Quinalphos AF - Specification	Mar 2012	
243	IS 14411:1996	Deltamethrin F - Specification	Mar 2012	
244	IS 14509:1997	Lambda - cyhalothrin, technical - Specification	Mar 2012	
245	IS 14510:1997	Lambda - cyhalothrin, WP - Specification	Mar 2012	
246	IS 14549:1998	Hexaconazole, technical - Specification	Nov 2009	
247	IS 14550:1998	Hexaconazole, EC - Specification	Nov 2009	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

248	IS 14551:1998	Thiophanate methyl, technical - Specification	Nov 2009	
249	IS 14552:1998	Thiophanate methyl, WP - Specification	Nov 2009	1
250	IS 14726:1999	Fenarimol, technical - Specification	May 2010	
251	IS 14727:1999	Fenarimol, EC - Specification	May 2010	
252	IS 14934:2001	Oxyfluorfen, technical - Specification	Mar 2012	
253	IS 14935:2001	Oxyfluorfen, E.C - Specification	Mar 2012	
254	IS 14936:2001	Triazophos technical concentrate - Specification	Mar 2012	
255	IS 14937:2001	Triazophos emulsifiable concentrate - Specification	Mar 2012	
256	IS 14938:2001	Diclofop methyl technical - Specification	Mar 2012	
257	IS 14939:2001	Diclofop Methyl, EC - Specification	Mar 2012	
258	IS 14940:2001	Carbosulfan technical - Specification	Mar 2012	
259	IS 14941:2001	Carbosulfan, EC - Specification	Mar 2012	
260	IS 14942:2001	Carbosulfan DS - Specification	Mar 2012	
261	IS 15156:2002	Acephate+Fenvalerate Emulsifiable Concentrate - Specification	Nov 2009	
262	IS 15157:2002	Deltamethrin+Triazophos Emulsifiable Concentrate - Specification	Nov 2009	
263	IS 15158:2002	Pretilachlor technical - Specification	Nov 2009	
264	IS 15159:2002	Tebuocnazole DS - Specification	Nov 2009	
265	IS 15160:2002	Pretilachlor Emulsifiable Concentrate - Specification	Nov 2009	
266	IS 15161:2002	Fenpropathrin technical - Specification	Nov 2009	
267	IS 15162:2002	Fenpropathrin Emulsifiable Concentrate - Specification	Nov 2009	
268	IS 15163:2002	Isoprothiolane technical - Specification	Nov 2009	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



269	IS 15164:2002	Isoprothiolane Emulsifiable Concentrate - Specification	Nov 2009
270	IS 15165:2002	Tebuocnazole technical - Specification	Nov 2009
271	IS 15166:2002	Glufosinate Ammonium technical concentrate - Specification	Nov 2009
272	IS 15167:2002	Deltamethrin+Endosulfan Emulsifiable Concentrate - Specification	Nov 2009
273	IS 15182:2002	Propiconazole EC - Specification	Nov 2009
274	IS 15219:2002	Aluminium Phosphide Powder Formulation	Nov 2009
275	IS 15227:2002	Deltamethrin ULV - Specification	Nov 2009
276	IS 15228:2002	Cyfluthrin - Emulsion in water (EW) - Specification	Nov 2009
277	IS 15229:2002	Metolachor Technical - Specification	Nov 2009
278	IS 15230:2002	Metolachor EC - Specification	Nov 2009
279	IS 15231:2002	Anilofos + 2, 4D Ethyl Ester EC - Specification	Nov 2009
280	IS 15232:2002	Fenoxaprop-p-ethyl Technical - Specification	Nov 2009
281	IS 15233:2002	Glufosinate Ammonium SL - Specification	Nov 2009
282	IS 15234:2002	Penconazole Technical - Specification	Nov 2009
283	IS 15235:2002	Chlorpyrifos + Cypermethrin Emulsifiable Concentrate - Specification	Nov 2009
284	IS 15236:2002	Profenofos + Cypermethrin Emulsifiable Concentrate - Specification	Nov 2009
285	IS 15237:2002	Penoconazole Emulsifiable Concentrate - Specification	Nov 2009
286	IS 15238:2002	Profenofos Technical - Specification	Nov 2009
287	IS 15239:2002	Fenoxaprop-p-Ethyle Emulsifiable Concentrate - Specification	Nov 2009
288	IS 15240:2002	Profenofos Emulsifiable Concentrate - Specification	Nov 2009
289	IS 15241:2002	Propiconazole Technical - Specification	Nov 2009

**\* INDICATES STANDARDS UNDER REVISION**  
**/ INDICATES DUAL NUMBER STANDARDS**

**\*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES EQUIVALENT STANDARDS**

290	IS 15334:2003	Imidacloprid WS - Specification	Nov 2009	
291	IS 15335:2003	Imidacloprid SL - Specification	Nov 2009	1
292	IS 15341:2003	Fenvelerate DP - Specification	Nov 2009	
293	IS 15409:2003	Clomazone technical - Specification	Nov 2009	
294	IS 15443:2004	Imidacloprid technical - Specification	Nov 2009	
295	IS 15599:2005	Chlorimuron ethyl wettable powder - Specification	May 2010	
296	IS 15600:2005	Cymoxanil technical - Specification	May 2010	
297	IS 15601:2005	Cymoxanil + Mancozeb Wettable Powder - Specification	May 2010	
298	IS 15602:2005	Alphacypermethrin EC - Specification	May 2010	
299	IS 15603:2005	Alphacypermethrin WP - Specification	May 2010	
300	IS 15604:2005	Methomyl soluble powder - Specification	May 2010	
301	IS 15605:2005	Metsulfuron methyl wettable powder - Specification	May 2010	
302	IS 15606:2005	Ethion + Cypermethrin EC - Specification	May 2010	
303	IS 15614:2006	Methomyl technical - Specification	Mar 2012	
304	IS 15615:2005	Metsulfuron methyl technical - Specification	May 2010	
305	IS 15616:2006	Alphacypermethrin technical - Specification	Mar 2012	1
306	IS 15618:2005	Metsulfuron methyl + chlorimuron ethyl wettable powder - Specification	May 2010	
307	IS 15619:2005	Chlorimuron ethyl technical - Specification	May 2010	
308	IS 15692:2006	Hexaconazole, Suspension Concentrate (SC) - Specification	Mar 2012	
309	IS 15693:2006	Chlorpyrifos-methyl, technical - Specification	Mar 2012	
310	IS 15743:2007	Chlorpyrifos-methyl emulsifiable concentrate - Specification	Mar 2012	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

311	IS 15936:2011	Bifenthrin technical - Specification
312	IS 15939:2011	Pesticide - Bifenthrin wettable powder - Specification
313	IS 15978:2012	Cyphenothrin, technical - Specification
314	IS 15979:2012	Cyphenothrin EC - Specification
315	IS 15982:2013	Tricyclazole, technical - Specification

**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 1(1903)	Draft Indian standard - Acetamiprid SP -Specification
2	DOC.FAD 1(1906)	Draft Indian Standard - Acetamiprid, technical - Specification
3	DOC.FAD 1(1911)	Draft Indian Standard - Sulfosulfuron, technical - Specification
4	DOC.FAD 1(1912)	Draft Indian Standard - Sulfosulfuron WG - Specification
5	DOC.FAD 1(1914)	Draft Indian Standard - Indoxacarb, technical - Specification
6	DOC.FAD 1(1916)	Draft Indian Standard - Mepiquat chloride LC - Specification
7	DOC.FAD 1(1917)	Draft Indian Standard - Mepiquat chloride 50 TK - Specification
8	DOC.FAD 1(1919)	Draft Indian Standard - Tricyclazole wettable powder (WP) - Specification
9	DOC.FAD 1(1924)	Draft Indian Standard - Temephos, technical - Specification (second revision of IS 8701:1996)
10	DOC.FAD 1(1926)	Draft Indian Standard - Milbemectin EC - Specification
11	DOC.FAD 1(1927)	Draft Indian Standard - Myclobutanil WP - Specification
12	DOC.FAD 1(1935)	Draft Indian Standard - Diuron, technical - Specification (first revision of IS 8702:1978)
13	DOC.FAD 1(1936)	Draft Indian Standard - Fipronil granules - Specification
14	DOC.FAD 1(1937)	Draft Indian Standard - Fipronil suspension concentrate (SC) - Specification
15	DOC.FAD 1(1939)	Draft Indian Standard - Pyriproxyfen, technical - Specification
16	DOC.FAD 1(1940)	Draft Indian Standard - Pyriproxyfen + Fenpropathrin emulsifiable concentrate (EC) - Specification

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- 17 DOC.FAD 1(1999) Draft Indian Standard - Imidacloprid suspension concentrate (SC) - Specification
- 18 DOC.FAD 1(2000) Draft Indian Standard - Temephos, EC - Specification (first revision of IS 8498:1977)

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

- 1 DOC.FAD 1(1908) Draft Indian Standard - Trichoderma viride, technical - Specification
- 2 DOC.FAD 1(1909) Draft Indian Standard - Trichoderma viride dry formulation - Specification
- 3 DOC.FAD 1(1923) Draft Indian Standard - Clothianidin water dispersible granules (WG) - Specification
- 4 DOC.FAD 1(1942) Draft Indian Standard - Gibberellic acid L - Specification
- 5 DOC.FAD 1(1943) Draft Indian Standard - Imiprothrin, technical - Specification

**DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

- 1 DOC.FAD 1(1915) Draft Indian Standard - Indoxacarb suspension concentrate SC - Specification
- 2 DOC.FAD 1(1920) Draft Indian Standard - Triacntanol EC - Specification
- 3 DOC.FAD 1(1921) Draft Indian Standard - Triacntanol EW - Specification
- 4 DOC.FAD 1(1922) Draft Indian Standard - Triacntanol granules (GR) - Specification
- 5 DOC.FAD 1(1925) Draft Indian Standard - Gibberellic acid suspension concentrate (SC) - Specification
- 6 DOC.FAD 1(1934) Draft Indian Standard - Validamycin liquid (L) - Specification
- 7 DOC.FAD 1(1938) Draft Indian Standard - Fipronil, technical - Specification
- 8 DOC.FAD 1(1941) Draft Indian Standard - S-Bioallethrin, technical - Specification

**ASPECT WISE REPORT**

PRODUCT	306
METHODS OF TEST	1
CODES OF PRACTICES	5
TERMINOLOGY	1
OTHERS	2
<b>TOTAL : 315</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 2 SUGAR INDUSTRY

**SCOPE -** Sugars (Including liquid glucose, dextrose monohydrate and dried glucose syrup) and by products of sugar industry; Layout plans for sugar factories, their laboratories and sugar laboratories and sugar godowns; sugar machinery and its components, Molasses tanks and other such items.

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 498:2003	Grading for vacuum pan (Plantation white) sugar (Fifth revision)	Dec 2012	1
2	IS 873:1974	Specification for liquid glucose (first revision)	Jul 2010	3
3	IS 874:1992	Dextrose monohydrate (third revision)	Dec 2012	2
4	IS 1151:2003	Refined sugar - Specification (second revision)	Dec 2012	2
5	IS 1152:2003	Icing sugar - Specification (second revision)	Dec 2012	1
6	IS 1162:1958	Specification for cane molasses	Feb 2009	2
7	IS 1168:1973	Specification for cube sugar (first revision)	Feb 2009	2
8	* IS 4772:1983	Code of practice for construction of sugar godowns (first revision)	Jul 2010	
9	IS 5521:1980	Specification for steel tanks for storage of molasses (first revision)	Feb 2009	
10	IS 5527:1969	Layout plan for sugar factory laboratories	Jul 2010	
11	IS 5975:2003	Raw sugar - Specification (first revision)	Dec 2012	2
12	IS 5982:2003	Plantation white sugar - Specification (first revision)	Dec 2012	2
13	IS 7424:1987	Photoelectric reflectance method for measurement of whiteness of plantation white sugar in solid state (first revision)	Feb 2009	
14	IS 8236:1994	Slats for cane carriers - Specification (first revision)	Feb 2009	
15	IS 8461:1987	Specification for cane knives (first revision)	Feb 2009	
16	IS 8847:1978	Specification for dried glucose syrup	Feb 2009	1
17	IS 11102:1984	Specification for glass bottles for sugar standards	Dec 2012	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

18	IS 11201:1985	Specification for cane crushing rollers for sugar industry	Feb 2009	
19	IS 11238:1985	Specification for hubs for cane knives	Jul 2010	
20	IS 11492:1985	Specification for rotary vacuum filter screens for sugar industry	Jul 2010	
21	IS 11604:1986	Specification for woven (mesh) type supporting screens for continuous centrifugal machines used in sugar industry	Jul 2010	
22	IS 11605:1986	Specification for woven (mesh) type supporting liners for batch type centrifugal machines used in sugar industry	Feb 2009	
23	IS 12198:1987	Specification for sprockets for sugar industry	Feb 2009	
24	IS 12906:1990	MISRI - Specification	Dec 2012	3
25	IS 12923:1990	Cane GUR (jaggery) - Specification	Dec 2012	3
26	IS 12924:1990	BURA - Specification	Dec 2012	3
27	IS 12935:1990	Recommended industrial screens for grading sugar - Specification	Dec 2012	
28	IS 13316:1992	Welded austenitic stainless steel tubes for heat exchangers for the sugar industry - Specification	Dec 2012	
29	IS 13929:1993	Stainless steel decking plates for cane mud filters - Specification	Feb 2009	1
30	IS 13952:1994	Palm jaggery (GUR) - Specification	Feb 2009	2
31	IS 13953:1994	Khandsari - Specification	Feb 2009	2
32	IS 14400:1996	Palm sugar - Specification	Dec 2012	2
33	IS 14667:1999	Conveyor chains and slats used in sugar industry - Specification	Feb 2009	1
34	IS 14668:1999	Supporting screen and centrifugal liners for various types of centrifugal machines - Specification	Feb 2009	
35	IS 15279:2003	Sugar and sugar products - Methods of test	Dec 2012	1
36	IS 16056:2013	Draft Indian Standard - Liquid sugar		

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 2(2321)	Draft Indian standard - Code of practice for construction of sugar godowns - Specification (Second revision of IS 4772:1983)		
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\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- |   |                 |  |
|---|-----------------|--|
| 2 | DOC.FAD 2(2353) | Draft Amendment No.2 to IS 498:2003 Grading for vacuum pan (Plantation white) sugar (Fifth revision) |
| 3 | DOC.FAD 2(2364) | Draft Indian Standard - Sulphur for use in sugar manufacturing process                               |
| 4 | DOC.FAD 2(2365) | Draft Indian Standard - Quick lime/hydrated lime for use in sugar processing                         |

**DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

- |   |                 |  |
|---|-----------------|--|
| 1 | DOC.FAD 2(2472) | Draft Indian Standard - Grading for Vacuum Pan Sugar (Plantation White and Refined Sugar (Sixth Revision of IS 498:2003) |
| 2 | DOC.FAD 2(2488) | Draft amendment No.4 to IS 12923:1990 - Cane Jaggery (Gur) - Specification   |
| 3 | DOC.FAD 2(2489) | Draft Indian Standard - Palm Jaggery (Gur) - Specification (first revision of IS 13952)                                  |

**ASPECT WISE REPORT**

PRODUCT	32
METHODS OF TEST	2
CODES OF PRACTICES	2
<b>TOTAL : 36</b>	

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

FAD 3 APIARY INDUSTRY

**SCOPE -** Apiary products and equipment, code for conservation and maintenance of honey and honey bees

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 1504:1996	Beeswax, crude and refined - Specification (third revision)	Oct 2008	2
2	IS 1515:1998	Beehives - Specification (fourth revision)	Dec 2009	1
3	IS 1735(Part 1):1977	Specification for beehives stand:Part 1 Folding type (first revision)	Dec 2009	
4	IS 1735(Part 2):1978	Beehives stand: Part 2 Fixed type-Specification (Second Revision)	Oct 2008	
5	IS 1736:1960	Specification for honey extractor, tangential type	Oct 2008	
6	IS 2072:1977	Specification for comb foundation sheets (first revision)	Dec 2009	1
7	IS 3894:1978	Specification for comb foundation mill (first revision)	Dec 2009	
8	* IS 4941:1994	Extracted honey - Specification (second revision)	Oct 2008	1
9	IS 5426:1969	Specification for travelling bees box	Dec 2009	
10	* IS 5427:1969	Specification for honey extractor, radial type	Dec 2009	
11	IS 6695:1998	Honey bees - Code for conservation and maintenance (first revision)	Dec 2009	
12	IS 7459:1974	Specification for wasp trap	Dec 2009	
13	IS 8444:1977	Specification for fumigant strips for treatment of honey-bees	Dec 2009	
14	IS 8524:1977	Specification for solar wax extractor	Dec 2009	
15	IS 14133:1994	Beeman's kit - Specification (first revision)	Dec 2009	
16	IS 14136:1994	Package bee Box - Specification	Dec 2009	
17	IS 14522:1998	Honey processing unit - Technical requirements	Dec 2009	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 3(1960)	Draft Indian Standard - Honey extractors - Radial type - Specification (First Revision of IS 5427)
2	DOC.FAD 3(2305)	Draft Indian Standard - Pollen trap - Specification
3	DOC.FAD 3(2306)	Draft Indian Standard - Mating nucleus hive - Specification
4	DOC.FAD 3(2307)	Draft Indian Standard - Queen bee cage - Specification
5	DOC.FAD 3(2308)	Draft Indian Standard - Queen rearing frame - Specification

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 3(2231)	Draft Indian Standard - Royal jelly - Specification
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**DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION**

1	DOC.FAD 3(2436)	Draft Indian Standard - Mass queen rearing apparatus for A cerana - Specification	
2	DOC.FAD 3(2461)	Draft Indian Standard - Extracted Honey - Specification (Fourth revision of IS 4941:1994)	2001

**ASPECT WISE REPORT**

PRODUCT	16
CODES OF PRACTICES	1
<b>TOTAL : 17</b>	

FAD 4 TOBACCO AND TOBACCO PRODUCTS

- SCOPE -** A) Tobacco (excluding specifications), tobacco products; codes for seaworthy packing of tobacco and construction of tobacco barns and farming practices  
 B) Physical and chemical methods of test for tobacco and tobacco products.  
 C) Liaison with ISO/TC 126 Tobacco and Tobacco products and ISO/TC 126/SC 1 and SC 2

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1577:2008	Tobacco and tobacco products - Cigarettes - Specification (third revision)	Feb 2012	
2	IS 1578:1989	Tobacco and tobacco products - Smoking mixtures - Specification (second revision)	Feb 2012	2
3	IS 1769(Part 1):1994	Cigars and cheroots - Specification : Part 1 Cigars (second revision)	Dec 2009	
4	IS 1769(Part 2):1994	Cigars and cheroots - Specification : Part 2 Cheroots (second revision)	Dec 2009	
5	* IS 1925:1992	Bidis - Specification (third revision)	Feb 2012	1
6	IS 2111:1973	Specification for snuff (first revision)	Feb 2012	2
7	IS 2344:1994	Flake type chewing tobacco (ZARDA) - Specification (second revision)	Dec 2009	2
8	IS 3041:1994	Minced type chewing tobacco - Specification (second revision)	Dec 2009	1
9	IS 4463:1973	Specification for HOOKA tobacco, manufactured (first revision)	Feb 2012	2
10	IS 4469:1986	Code of practice for construction of flue-curing tobacco barns (first revision)	Feb 2012	
11	IS 4698:1968	Code of practice for seaworthy packing of unmanufactured cigarette type tobacco	Feb 2012	
12	IS 5643:1999	Tobacco and tobacco products - Methods of test for tobacco (second revision) (Superseding IS 7753:1989)	Dec 2009	1
13	IS 8600:2008 / ISO 4874:2000	Tobacco - Sampling of batches of raw material - General principles (second revision)	Feb 2012	
14	IS 8846:1989	Method for determination of reducing sugars and sucrose in tobacco and tobacco products (first revision)	Feb 2012	1
15	IS 9379:2008 / ISO 6488:2004	Tobacco and tobacco products - Determination of water content - Karl fischer method (third revision)	Feb 2012	
16	IS 9978:1991	Tendu leaf - Specification (first revision)	Dec 2009	1
17	IS 10335:2007	Glossary of terms for tobacco and tobacco products (second revision)	Mar 2012	1

\* INDICATES STANDARDS UNDER REVISION  
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 / INDICATES EQUIVALENT STANDARDS

18	IS 10666:2009	Tobacco and tobacco products - Cigarette filters - Specification (first revision)		
19	IS 11820:2004 / ISO 4389:2000	Tobacco and tobacco products - Determination of organochlorine pesticide residues - Gas chromatographic method (first revision)	Dec 2009	
20	IS 12942:2008 / ISO 8243:2006	Cigarettes - Sampling (second revision)	Feb 2012	
21	IS 14332:1996	Tobacco and tobacco products - Hookah tobacco paste - Specification	Dec 2009	2
22	IS 14647:1999	Tobacco and tobacco products - Quiwam - Specification	Dec 2009	2
23	IS 15795:2008 / ISO 2971:1998	Cigarette and filter rods - Determination of nominal diameter - Method using laser beam measuring apparatus	Feb 2012	
24	* IS 16022:2012 / ISO 3308:2000	Routine analytical cigarette - smoking machine - Definitions and standard conditions		
25	IS 16023:2012 / ISO 4387:2000	Cigarettes - Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine		
26	IS 16024:2012 / ISO 8454:2007	Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method		
27	* IS 16025:2012 / ISO 10315:2000	Cigarettes - Determination of nicotine in smoke condensates - Gas-chromatographic method		
28	IS 16026:2012 / ISO 15152:2003	Tobacco - Determination of the content of total alkaloids as nicotine - Continuous-flow analysis method		
29	IS 16042(Part 1):2012 / ISO 10362-1:1999	Cigarettes - Determination of water in smoke condensates: Part 1 Gas-chromatographic method		
30	IS 16121:2013 / ISO 3402:1999	Tobacco and tobacco products - Atmosphere for conditioning and testing		
31	IS 16132:2014 / ISO 2881:1992	Tobacco and Tobacco Products-Determination alkaloid content-Spectrometric Method		

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 4(1703)	Draft Indian Standard - Bidis - Specification (fourth revision of IS 1925)
2	DOC.FAD 4(2133)	Draft Indian Standard - Cigarettes - Determination of alkaloids in smoke condensates - Spectrometric method (Adoption of ISO 3400: 1997)
3	DOC.FAD 4(2134)	Draft Indian Standard - Cigarettes - Determination of alkaloid retention by the filters – Spectrometric method (Adoption of ISO 3401: 1991)
4	DOC.FAD 4(2137)	Draft Indian Standard - Tobacco and tobacco products - Determination of nicotine purity - Gravimetric method using tungstosilicic acid (Adoption of ISO 13276:1997)

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- |   |                 |   |
|---|-----------------|---|
| 5 | DOC.FAD 4(2140) | Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete or oriented permeable zone and materials with bands of differing permeability -Determination of air permeability (Adoption ISO 2965) |
| 6 | DOC.FAD 4(2376) | Draft Indian Standard - Tobacco and tobacco products - Determination of silicated residues insoluble in hydrochloric acid (adoption of ISO 2817:1999)   |
| 7 | DOC.FAD 4(2378) | Draft Indian Standard - Leaf tobacco - Determination of strip particle size (adoption of ISO 12194:1995)  |
| 8 | DOC.FAD 4(2379) | Draft Indian Standard - Threshed tobacco - Determination of residual stem content (adoption of ISO 12195:1995)  |

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

- |   |                 |   |
|---|-----------------|---|
| 1 | DOC.FAD 4(2571) | Draft Indian Standard - Routine analytical cigarette smoking machine - Definitions and standard conditions (first revision of IS 16022) (Adoption of ISO 3308:2012)   |
| 2 | DOC.FAD 4(2572) | Draft Indian Standard - Tobacco and tobacco products - Vocabulary (Adoption of ISO 10185:2004)  |
| 3 | DOC.FAD 4(2573) | Draft Indian Standard - Cigarettes - Determination of nicotine in smoke condensates - Gaschromatographic method (first revision of IS 16025) (Adoption of ISO 10315:2013)                                   |
| 4 | DOC.FAD 4(2574) | Draft Indian Standard - Tobacco and tobacco products - Monitor test piece - Requirements and use (Adoption of ISO 16055:2012)   |
| 5 | DOC.FAD 4(2575) | Draft Indian Standard - Tobacco and tobacco products - Determination of water content - Gaschromatographic method (Adoption of ISO 16632:2013)  |
| 6 | DOC.FAD 4(2576) | Draft Amendment No. 1 to IS 16026:2012/ISO 15152:2003 Tobacco - Determination of the content of total alkaloids as nicotine - continous-flow analysis method (Adoption of Amendment No.1 to ISO 15152:2003) |
| 7 | DOC.FAD 4(2577) | Corrigendum No.1 to IS 9379:2008/ISO 6488:2004 Tobacco and tobacco products determination of water content - Karl fischer method (third revision) (Adoption of technical corrigendum No.1 to ISO 6488:2004) |

**ASPECT WISE REPORT**

PRODUCT	13
METHODS OF TEST	11
CODES OF PRACTICES	2
TERMINOLOGY	1
OTHERS	4
<b>TOTAL : 31</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 5 ANIMAL HUSBANDRY, FEEDS AND EQUIPMENT SECTIONAL  
COMMITTEE

- SCOPE -** A) Animal husbandry (management practices, welfare and transport) for livestock, poultry, pet and laboratory animals  
 B) Equipment for livestock, poultry, pet and laboratory animals.  
 C) Code for breeding, housing and transport of the laboratory and other animals  
 D) Animal feedstuffs, mineral mixtures, compounded feeds and feed supplements.  
 E) Physical, chemical and microbiological methods of analysis  
 F) Liaison with ISO/TC 34/SC 10 Animal feeding stuffs  
 G) Liaison with ISO/TC 191 Animal (mammal) traps (committee presently under standby)

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 920:1972	Specification for common salt and cattle licks for animal consumption (first revision)	Feb 2013	2
2	IS 1374:2007	Poultry feeds - Specification (fifth revision)	Apr 2011	
3	IS 1664:2002	Mineral mixtures for supplementing cattle feeds - Specification (fourth revision)	Feb 2013	1
4	IS 1712:1982	Specification for cottonseed oilcake as livestock feed ingredient (second revision)	Mar 2009	1
5	IS 1713:1986	Specification for decorticated groundnut oilcake as livestock feed ingredient (second revision)	Apr 2011	
6	IS 1932:1986	Specification for mustard and rape seed oilcake as livestock feed ingredient (second revision)	Apr 2011	
7	IS 1934:1982	Specification for sesamum oilcake as livestock feed ingredient (first revision)	Mar 2009	1
8	IS 1935:1982	Specification for linseed oilcake as livestock feed ingredient (first revision)	Mar 2009	1
9	IS 1942:1968	Specification for bone-meal as livestock feed supplement (first revision)	Mar 2009	3
10	IS 2052:2009	Specification for compounded feeds for cattle (fourth revision)		1
11	IS 2151:1985	Specification for maize germ oilcake as livestock feed ingredient (first revision)	Mar 2009	1
12	IS 2152:2013	Specification for maize gluten as livestock feed ingredient (first revision)		1
13	IS 2153:1985	Specification for maize bran as livestock feed ingredient (first revision)	Mar 2009	1
14	IS 2154:1986	Specification for coconut oilcake as livestock feed ingredient (second revision)	Apr 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

15	IS 2239:2013	Specification for wheat bran (first revision)		1
16	IS 2732:1985	Code of practice for poultry housing (second revision)	Feb 2013	
17	IS 2733:1985	Code of practice for sheep and goats housing (first revision)	Feb 2013	
18	IS 2734:1964	Code of practice for equine housing	Mar 2009	
19	IS 3059:2001	Transport of monkeys by rail, road, air and sea - Code of practice (second revision)	Mar 2009	
20	IS 3160:1965	Specification for TUR CHUNI	Mar 2009	1
21	IS 3161:1965	Specification for Gram CHUNI	Mar 2009	1
22	IS 3163:1965	Specification for Rice polish	Mar 2009	1
23	IS 3198:1965	Specification for fodder yeast	Mar 2010	1
24	IS 3440:1985	Specification for Solvent extracted linseed oilcake (meal) as livestock feed ingredient (first revision)	Mar 2009	1
25	IS 3441:1982	Specification for Solvent extracted groundnut oilcake (meal) as livestock feed ingredient (first revision)	Mar 2009	1
26	IS 3591:1985	Specification for Solvent extracted coconut oilcakes (meal) as livestock feed ingredient (second revision)	Mar 2009	1
27	IS 3592:1985	Specification for Solvent extracted decorticated cottonseed oilcake (meal) as livestock feed ingredient(second revision)	Mar 2009	2
28	IS 3593:1979	Specification for Solvent extracted rice bran as livestock feed (second revision)	Mar 2009	1
29	IS 3648:1975	Specification for Rice bran as livestock feed (first revision)	Mar 2009	1
30	IS 3916:1966	Code of practice for pig housing	Apr 2011	
31	IS 4193:1986	Specification for Guar meal as livestock feed ingredient (first revision)	Apr 2011	
32	IS 4307:1983	Specification for Fish meal as livestock feed ingredient (second revision)	Mar 2009	2
33	IS 4746:1968	Code for transport of dogs and cats by rail, road and air	Apr 2011	1
34	IS 5061:2002 / ISO	Animal feeding stuffs - Determination of castor oil seed husks - Microscope method	Mar 2010	
35	IS 5063:1969	Specification for TUR husk	Mar 2009	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

36	IS 5065:1986	Specification for Meat meal as livestock feed ingredient (first revision)	Apr 2011	2
37	IS 5236:1982	Code for transport of pigs by rail and road (first revision)	Apr 2011	
38	IS 5237:1969	Code for transport of small and medium sized seed eating birds	Apr 2011	
39	IS 5238:2001	Transport of poultry - Code of practice (second revision)	Feb 2013	
40	IS 5255:1986	Specification for Poultry feeders (first revision)	Feb 2013	
41	IS 5283:1969	Specification for Poultry waterers, portable	Apr 2011	
42	IS 5284:1969	Recommendations for community milking shed	Apr 2011	
43	IS 5309:2001	Poultry Farming Equipment - Brooders - Specification (second revision)	Feb 2013	
44	IS 5310:1987	Specification for poultry incubators (first revision)	Feb 2013	
45	IS 5470:2002	Dicalcium phosphate, animal feed grade - Specification (first revision)	Feb 2013	1
46	IS 5560:1970	Specification for Compounded feeds for young stock	Mar 2009	
47	IS 5654(Part 1):1970	Specification for Feeds for laboratory animals: Part 1 Rats and mice	Apr 2011	
48	IS 5654(Part 2):1970	Specification for Feeds for laboratory animals: Part 2 Guinea pigs	Apr 2011	
49	IS 5654(Part 3):1983	Specification for Feeds for laboratory animals: Part 3 Monkeys	Apr 2011	
50	IS 5672:2006	Mineral mixtures for supplementing poultry feeds - Specification (second revision)	Dec 2011	
51	IS 5701(Part 1):1981	Code for breeding, care, management and housing of laboratory animals: Part 1 Laboratory mice and rats (first revision)	Apr 2011	
52	IS 5701(Part 2):1979	Code for breeding, care, management and housing of laboratory animals: Part 2 Laboratory rabbits (first revision)	Apr 2011	
53	IS 5701(Part 3):1979	Code for breeding, care, management and housing of laboratory animals: Part 3 Laboratory guinea-pigs (first revision)	Apr 2011	
54	IS 5701(Part 4):1979	Code for breeding, care, management and housing of laboratory animals: Part 4 Laboratory golden hamsters (first revision)	Apr 2011	
55	IS 5701(Part 5):1972	Code for breeding, care, management and housing of laboratory animals: Part 5 Laboratory snakes	Apr 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

56	IS 5701(Part 6):1981	Code for breeding, care, management and housing of laboratory animals: Part 6 Laboratory cotton rats (sigmodon hispidus and sigmodon hispidus hispidus) (first revision)	Apr 2011	
57	IS 5701(Part 7):1977	Code for breeding, care, management and housing of laboratory animals: Part 7 Laboratory frogs	Apr 2011	
58	IS 5701(Part 8):1979	Code for breeding, care, management and housing of laboratory animals: Part 8 Laboratory chicks	Apr 2011	
59	IS 5701(Part 9):1979	Code for breeding, care, management and housing of laboratory animals: Part 9 Laboratory pigeons	Apr 2011	
60	IS 5701(Part 10):1981	Code for breeding, care, management and housing of laboratory animals: Part 10 Laboratory mosquitoes	Apr 2011	
61	IS 5804:1987	Specification for Poultry debeakers (first revision)	Mar 2009	
62	IS 5862:1970	Specification for Solvent extracted nigerseed oilcakes (meal) as livestock feed	Mar 2009	
63	IS 5983(Part 1):2005 / ISO	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content : Part 1 Kjeldahl method	Mar 2010	
64	IS 5983(Part 2):2005 / ISO	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content: Part 2 Block digestion and steam distillation method	Mar 2010	
65	IS 6027:1970	Recommendations for farm cattle housing for large dairy farms	Apr 2011	
66	IS 6107:1971	Specification for Dried silk worm pupae as livestock feed	Mar 2009	2
67	IS 6228:1971	Specification for Poultry egg fertility tester	Apr 2011	1
68	IS 6242:1985	Specification for Solvent extracted undecorticated safflower oilcake as livestock feed ingredient (first revision)	Mar 2009	1
69	IS 6384(Part 1):1978	Code for care, management and housing of laboratory animals: Part 1 Laboratory monkeys (first revision)	Apr 2011	
70	IS 6384(Part 2):1971	Code for care, management and housing of laboratory animals: Part 2 Laboratory dogs	Apr 2011	
71	IS 6384(Part 3):1971	Code for care, management and housing of laboratory animals: Part 3 Laboratory cats	Apr 2011	
72	IS 6492:1999 / ISO	Animal feeding stuffs - Determination of fat content	Mar 2010	
73	IS 6496:1999 / ISO	Animal feeding stuffs - Determination of moisture and other volatile matter content	Mar 2010	
74	IS 6544:1972	Specification for Wing band for poultry	Apr 2011	
75	IS 6545:1972	Specification for Leg band for poultry	Apr 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



76	IS 6692:1972	Method of milk recording of cattle	Apr 2011	
77	IS 6696:1972	Specification for Egg washing machines	Apr 2011	
78	IS 6865:2000 / ISO	Animal feeding stuffs - Determination of crude fibre content - Method with intermediate filtration	Mar 2010	
79	IS 6866:1985 / ISO	Animal feeding stuffs - Determination of free and total gossypol	Mar 2010	
80	IS 7060:1973	Specification for Blood meal as livestock feed	Mar 2009	2
81	IS 7179:1973	Specification for Disposable plastic artificial insemination pipettes for cattle	Mar 2009	1
82	IS 7180:1973	Specification for Disposable artificial insemination gloves	Mar 2009	
83	IS 7472:1986	Specification for Pig feeds (first revision)	Apr 2011	
84	IS 7516:1974	Specification for Trap nests for poultry	Apr 2011	
85	IS 7517:1987	Specification for Pedigree hatching boxes for Poultry (first revision)	Mar 2009	
86	IS 7518:1974	Specification for Laying battery cages for poultry	Apr 2011	
87	IS 7874(Part 1):1975	Methods of tests for animal feeds and feeding stuffs: Part 1 General methods	Mar 2009	2
88	IS 7874(Part 2):1975	Methods of tests for animal feeds and feeding stuffs:Part 2 Minerals and trace elements	Mar 2009	2
89	IS 7874(Part 3):1975	Methods of tests for animal feeds and feeding stuffs: Part 3 Microbiological methods	Mar 2009	1
90	* IS 8102:1990	Technical requirements for frozen semen of breeding bull (first revision)	Apr 2011	
91	IS 8103:1976	Code for cleaning and sterilization of artificial insemination equipment	Feb 2013	1
92	IS 9703:1980	Glossary of terms for animal feeds and feeding stuffs	Mar 2009	
93	IS 9863:1992	Nutrient requirements for poultry (first revision)	Feb 2013	
94	IS 9867:1981	Specification for Parboiled rice bran as livestock feed ingredient	Mar 2009	1
95	IS 10449:1983	Code for transport of live fish seed for inland pisciculture purposes	Apr 2011	
96	IS 10450:1983	Code for transport of fresh water aquarium fish	Apr 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

97	IS 10671:1983	Specification for mango seed kernels as livestock feed ingredient	Mar 2010	2
98	IS 10672:1983	Specification for Mineral mixture for supplementing sheep and goats feeds	Mar 2009	3
99	IS 10741:1983	Specification for Ambadi (HIBISCUS CANNABINUS) cake as livestock feed ingredient	Mar 2009	1
100	IS 11586:1986	Specification for Malt sprouts as livestock feed ingredient	Apr 2011	
101	IS 11786:1986	Recommendations for cattle housing for an average farmer	Feb 2013	
102	IS 11799:1986	Recommendations for cattle housing for a rural milk producer	Feb 2013	
103	IS 11800:1986	Specification for Artificial vagina for bovines	Feb 2013	
104	IS 11942:1986	Recommendations for GAUSHALAS and other organized milk producers	Feb 2013	
105	IS 11968:1987	Specification for Dog feeds	Apr 2011	
106	IS 12237:1987	Recommendations for loose housing systems of animals	Mar 2009	
107	IS 12829:1989	Mango seed kernel (solvent extracted) as livestock feed ingredient - Specification	Mar 2009	
108	IS 12939:1990	Method for heat resistance test of frozen semen of breeding bull	Apr 2011	
109	IS 12946:1990	Filling nozzle - Specification	Apr 2011	
110	IS 12964:1990	Method of quantitative determination of progressively motile spermatazoa in frozen bull semen	Apr 2011	
111	IS 13002:1990	Method for enumeration of living aerobic micro-organisms of bull semen	Apr 2011	
112	IS 13005:1990	Method for detection of facultative pathogenic micro-organisms of bull semen	Apr 2011	
113	IS 13006:1990	Freezing grill - Specification	Apr 2011	
114	IS 13033:1990	Straw holding clips - Specification	Apr 2011	
115	IS 13044:1991	Technical requirement for freshly collected semen of breeding sheep	Feb 2013	
116	IS 13125:1991	Goblets - Specification	Feb 2013	
117	IS 13181:1991	Artificial insemination sheath - Specification	Feb 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

118	IS 13398:1992	Alga spirulina, feed grade - Specification	Feb 2013	
119	IS 13426:1992	Animal feeds and feeding stuffs - Methods of sampling for aflatoxin analysis	Feb 2013	
120	IS 13427:1992 / ISO 6651:1987	Animal feeds and feeding stuffs - Determination of aflatoxin B-1 content	Feb 2013	1
121	IS 13433(Part 1):1992   ISO 6490-1:1985	Animal feeds and feeding stuffs - Determination of calcium: Part 1 Titrimetric method	Feb 2013	
122	IS 13433(Part 2):1992	Animal feeds and feeding stuffs - Determination of calcium: Part 2 Atomic absorption spectrometric method	Feb 2013	
123	IS 13451:1992	Urea molasses block as ruminant feed supplement	Feb 2013	
124	IS 13819:1993	Artificial insemination guns	Mar 2009	
125	IS 13820:1993	Artificial insemination straws - Specification	Mar 2009	
126	IS 13903:2005 / ISO	Animal feeding stuffs - Determination of amino acids content	Mar 2010	
127	IS 13904:2005 / ISO	Animal feeding stuffs - Determination of tryptophan content	Mar 2010	
128	IS 14275:1995	Technical requirements for urea molasses liquid drought feed for cattle	Mar 2009	
129	IS 14325:2013	Bypass protein feed for cattle - Specification		
130	IS 14702:1999	Sunflower oil cake as livestock feed ingredient - Specification	Mar 2009	
131	IS 14718:1998 / ISO	Animal feeding stuffs - Determination of aflatoxin B1 content of mixed feeding stuffs - Method using high performance liquid chromatography	Mar 2010	
132	IS 14826:2000 / ISO 5985:1978	Animal feeding stuff - Determination of ash insoluble in hydrochloric acid	Feb 2013	
133	IS 14827:2000 / ISO 5984:1978	Animal feeding stuff - Determination of crude ash	Feb 2013	
134	IS 14828:2000 / ISO 6491:1998	Animal feeding stuff - Determination of total phosphorus content - Spectrophotometric method	Feb 2013	
135	IS 14829:2000 / ISO 6495:1999	Animal feeding stuff - Determination of water-soluble chloride content	Feb 2013	
136	IS 14831:2000 / ISO 6498:1998	Animal feeding stuff - Preparation of test sample	Feb 2013	
137	IS 14832:2000 / ISO 6654:1991	Animal feeding stuff - Determination of urea	Feb 2013	
138	IS 14902:2001 / ISO	Animal feeding stuffs - Determination of trypsin inhibitor activity of soya products	Feb 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

139	IS 14903:2001	Transport of laboratory animals - Code of Practice	Feb 2013
140	IS 14904:2007	Transport of livestock - Code of practice (first revision)	Feb 2013
141	IS 15120:2002 / ISO 14565:2000	Animal feeding stuffs - Determination of Vitamin A content - Method using high performance liquid chromatography	Feb 2013
142	IS 15121:2002 / ISO 6869:2000	Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry	Feb 2013
143	IS 15948:2011 / ISO 6867:2000	Animal feeding stuffs - Determination of vitamin E content - Method using high performance liquid chromatography	
144	IS 15949:2012 / ISO 7088:1981	Fish meal - Vocabulary	
145	IS 15950:2012	Animal feeding stuffs - Determination of residues of organochlorine pesticides - Gas chromatographic method	
146	IS 15951:2012	Animal feeding stuffs - Determination of residues of organophosphorus pesticides - Gas chromatographic method	
147	IS 15952:2012	Animal feeding stuffs - Determination of furazolidone content - Method using high performance liquid chromatography	
148	IS 16079(Part 1):2013 / ISO/TS 17764-2:2002	Animal feeding stuffs - Determination of the content of fatty acids - Part 1 Preparation of methyl esters (Adoption of ISO/TS/17764-1:2002)	
149	IS 16079(Part 2):2013 / ISO/TS 17764-2:2002	Animal feeding stuffs - Determination of the content of fatty acids - Part 2 Gas chromatographic method (Adoption of ISO 17764-2:2002)	
150	IS 16080:2013 / 9831:1998	Animal feeding stuffs, animal products, and faeces or urine - Determination of gross calorific value - Bomb calorimeter method (Adoption of ISO 9831:1998)	

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 5(2462)	Draft Amendment no.2 to IS 2052:2009 'Compounded feeds for cattle - Specification (third revision)
2	DOC.FAD 5(2463)	Draft Amendment No.2 to IS 5740:2002 Dicalcium phosphate, animal feed grade - Specification (first revision)
3	DOC.FAD 5(2464)	Draft Indian Standard - Coconut Oilcake a Livestock Feed Ingredient - Specification (Third Revision of IS 2154:1986)
4	DOC.FAD 5(2465)	Draft Indian Standard - Sunflower Oilcake as Livestock Feed Ingredient - Specification (First Revision of IS 14702:1999)
5	DOC.FAD 5(2466)	Draft Indian Standard - Sesamum Oilcake as Livestock Feed Ingredient - Specification (Second Revision of IS 1934:1982)

\* **INDICATES STANDARDS UNDER REVISION**  
/ **INDICATES DUAL NUMBER STANDARDS**

\*\* **INDICATES STANDARDS TO BE REVISED**  
/ **INDICATES EQUIVALENT STANDARDS**

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

- 1        DOC.FAD 5(1837)                      Draft Indian Standard - Draft Indian Standard -  
Roughage based feed block (Large and small  
ruminant) - Specification
- 2        DOC.FAD 5(2045)                      Draft Indian Standard - Bovine frozen semen -  
Specification (Second Revision of IS 8102)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

- 1        DOC.FAD 5(2350)                      Draft Indian Standard - Rice Bran and Solvent-  
Extracted Rice Bran as Livestock Feed Ingredient -  
Specification  
(Amalgamation of IS 3593 and IS 3648)
- 2        DOC.FAD 5(2570)                      Draft Indian Standard - Specification for Common Salt  
and Cattle Licks for Animal Consumption (Second  
Revision of IS: 920)
- 3        DOC.FAD 5(2578)                      Draft Indian Standard - Animal Feeding Stuffs -  
Determination of Nitrogen Content And Calculation Of  
Crude Protein Content - Part 2: Block Digestion And  
Steam Distillation Method [First Revision of IS 5983  
(Part 2)] (Adoption of ISO 5983 -2 : 2009)
- 4        DOC.FAD 5(2579)                      Draft Indian Standard - Animal Feeding Stuffs - Semi-  
Quantitative Determination of Aflatoxin B1 - Thin-Layer  
Chromatographic Methods (First Revision of IS  
13427) (Adoption of ISO 6651 : 2001)
- 5        DOC.FAD 5(2580)                      Draft Indian Standard - Animal Feeding Stuffs -  
Determination of Ash insoluble in Hydrochloric Acid  
(First Revision of IS 14826) (Adoption of ISO 5985 :  
2002)
- 6        DOC.FAD 5(2581)                      Draft Indian Standard - Animal Feeding Stuffs -  
Determination of Crude Ash (First Revision of IS  
14827) (Adoption of ISO 5984 : 2002 along with  
corrigendum 1:2005)
- 7        DOC.FAD 5(2582)                      Draft Indian Standard - Animal Feeding Stuffs -  
Guidelines For Sample Preparation (First Revision of  
IS 14831) (Adoption of ISO 6498 : 2012)

**ASPECT WISE REPORT**

PRODUCT	76
METHODS OF TEST	37
CODES OF PRACTICES	35
TERMINOLOGY	2
<b>TOTAL : 150</b>	

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

FAD 6 STIMULANT FOODS

- SCOPE -** A) Tea, coffee, cocoa and their products.  
 B) Physical, chemical and microbiological methods of test pertaining to this committee  
 C) General methodology for sensory evaluation including nutritional aspects  
 D) Liaison with  
 i) ISO/TC 34/SC 8 Tea,  
 ii) ISO/TC 34/SC 15 Coffee

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 612:1992	Roasted chicory powder - Specification (third revision)	Apr 2009	1
2	IS 1163:1992	Chocolates - Specification (second revision)	Apr 2009	2
3	IS 1164:1986	Specification for Cocoa powder (third revision)	Mar 2012	2
4	IS 1263:1986	Specification for Cocoa butter (third revision)	Mar 2012	1
5	IS 2791:1992	Soluble coffee powder - Specification (third revision)	Apr 2009	4
6	IS 3077:1992	Roasted and ground coffee - Specification (second revision)	Apr 2009	4
7	IS 3309:1992	Soluble coffee chicory powder - Specification (second revision)	Apr 2009	3
8	IS 3581:1982	Green coffee (second revision)	Mar 2012	2
9	IS 3611:2000 / ISO 1839:1980	Tea - Sampling (second revision)	Mar 2012	
10	IS 3633:2003	Black tea (second revision)	Mar 2013	
11	IS 3802:1992	Roasted coffee-chicory powder - Specification (first revision)	Apr 2009	3
12	IS 4074:1981	Specification for Grading for monsooned coffee (second revision)	Mar 2012	1
13	* IS 4541:1986	Glossary of tea terms (first revision)	Apr 2009	
14	IS 6399:1971	Code of practice for construction of coffee seed storage structures	Mar 2012	
15	IS 6400:1993 / ISO 3103:1980	Method for preparation of tea infusion for sensory evaluation (first revision)	Apr 2009	1
16	IS 6762:1986	Specification for Drinking chocolate (sweetened cocoa powder) (second revision)	Mar 2012	2

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

17	IS 7236:2013	Glossary of terms for coffee and its products	Mar 2012	
18	IS 8832:2003 / ISO 1114:1977	Cocoa beans - Cut test (first revision)	Mar 2013	
19	IS 8833:2003 / ISO 2291:1980	Cocoa beans- Determination of moisture content (Routine method) (first revision)	Mar 2013	
20	IS 8865:2003 / ISO 2451:1973	Cocoa beans - Specification (first revision)	Mar 2013	
21	IS 9314:2003 / ISO 2292:1973	Cocoa beans - Sampling (first revision)	Mar 2013	
22	IS 10017:1981	Code of practice for construction of cocoa beans storage structures	Apr 2009	
23	IS 10814:1984	Method for sampling green coffee in bags	Mar 2012	
24	IS 11730:1986	Glossary of terms for cocoa, chocolate and its products	Mar 2012	
25	IS 11923:1986	Specification for Cocoa mass	Mar 2012	
26	IS 13852:1994 / ISO 1572:1980	Tea - Preparation of ground sample of known dry matter content	Apr 2009	1
27	IS 13853:1994 / ISO 1573:1980	Tea - Determination of loss in mass at 103 degree celcius	Apr 2009	
28	IS 13854:1994 / ISO 1575:1987	Tea - Determination of total ash	Apr 2009	
29	IS 13855:1993 / ISO 1576:1988	Tea - Determination of water-soluble ash and water-insoluble ash	Apr 2009	
30	IS 13856:1993 / ISO 1578:1975	Tea - Determination of alkalinity of water-soluble ash	Apr 2009	
31	IS 13857:1993 / ISO 1577:1987	Tea - Determination of acid-insoluble ash	Apr 2009	
32	IS 13858:1993 / ISO 6770:1982	Instant tea - Determination of free flow and compacted bulk densities	Apr 2009	
33	IS 13859:1993 / ISO 7513:1990	Instant tea in solid form - Determination of moisture content (Loss in mass at 103 degree celcius)	Apr 2009	
34	IS 13860:1993 / ISO 7514:1990	Instant tea in solid form - Determination of total ash	Apr 2009	
35	IS 13861:1993 / ISO 7516:1984	Instant tea in solid form - Sampling	Apr 2009	
36	IS 13862:1999 / ISO 9768:1994	Tea - Determination of water extract (first revision)	Apr 2009	1
37	IS 15342:2003	Instant tea in solid form - Specification	Mar 2013	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

38	IS 15344:2003	Green tea - Specification	Mar 2013	1
39	IS 16027:2012 / ISO 10727:2002	Tea and instant tea in solid form - Determination of caffeine content - Method using high-performance liquid chromatography		
40	IS 16028:2012 / ISO 20481:2008	Coffee and coffee products - Determination of caffeine content using high-performance liquid chromatography (HPLC) - Reference method		
41	IS 16029:2012 / ISO 11817:1994	Roasted ground coffee - Determination of moisture content - Karl Fischer method (Ref. method)		
42	IS 16030:2012 / ISO 11294:1994	Roasted ground coffee- Determination of moisture content - Method by determination of loss in mass at 103°C (Routine method)		
43	IS 16031:2012 / ISO 11292:1995	Instant coffee - Determination of free and total carbohydrate contents - Method using high-performance anion-exchange chromatography		
44	IS 16032:2012 / ISO 10470:2004)	Green coffee - Defect reference charT		
45	IS 16033:2012 / ISO 8460:1987	Instant coffee - Determination of free-flow and compacted bulk densities		
46	IS 16034:2012 / ISO 6673:2003	Green coffee - Determination of loss in mass at 105 degrees C		
47	IS 16035:2012 / ISO 6670:2002	Instant coffee - Sampling method for bulk units with liners		
48	IS 16036:2012 / ISO 6668:2008	Green coffee - Preparation of samples for use in sensory analysis		
49	IS 16037:2012 / ISO 4149:2005	Green coffee - Olfactory and visual examination and determination of foreign matter and defects		
50	IS 16038:2012 / ISO 6667:1985	Green coffee - Determination of proportion of insect-damaged beans		
51	IS 16039:2012 / ISO 4052:1983	Coffee - Determination of caffeine content (Reference method)		
52	IS 16040:2012 / ISO 1446:2001	Green coffee - Determination of water content - Basic reference method		
53	IS 16041:2012 / ISO 15598:1999	Tea - Determination of crude fibre content		

**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 6(2013)	Draft Indian Standard - Determination of substances characteristic of green and black tea - Part 1: Content of total polyphenols in tea - Colorimetric method using Folin-Ciocalteu reagent (adoption of ISO 14502-1:2005)
2	DOC.FAD 6(2014)	Draft Indian Standard - Determination of substances characteristic of green and black tea - Part 2: Content of catechins in green tea - Method using high-performance liquid chromatography (adoption of ISO 14502-2:2005)

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



- |   |                 |   |
|---|-----------------|---|
| 3 | DOC.FAD 6(2017) | Draft Indian Standard - Instant coffee - Determination of loss in mass at 70°C under reduced pressure (adoption of ISO 3726:1983) |
| 4 | DOC.FAD 6(2032) | Draft Amendment No. 3 to IS 3581:1982 Green coffee - Specification  |

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

- |   |                 |   |
|---|-----------------|---|
| 1 | DOC.FAD 6(2222) | Draft Indian Standard - Grading for monsooned coffee - Specification (third revision of IS 4074)  |
| 2 | DOC.FAD 6(2333) | Draft Indian Standard -Roasted coffee-chicory powder - Specification (second revision of IS 3802) |
| 3 | DOC.FAD 6(2476) | Draft Indian Standard - Guidelines for storage and transport (adoption of ISO 8455:2011)          |

**ASPECT WISE REPORT**

PRODUCT	15
METHODS OF TEST	28
CODES OF PRACTICES	2
TERMINOLOGY	3
OTHERS	5
<b>TOTAL : 53</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

## FAD 7 SOIL QUALITY AND FERTILIZERS

**SCOPE -** A) Soil amendments and soil testing kits, reclamation of acid and salt affected soils, improvement of soil qualities and nutrient status, representative samples for fertilizer recommendations and mapping purposes and analysis of soils

B) Fertilizers (including primary, secondary and micronutrients), plant hormones and related products

C) Agriculturally useful microorganisms.

D) Handling storage and packaging of fertilizers

E. Liaison with :

i) ISO/TC 190 Soil Quality.

ii) TC 190/SC 1 Evaluation of criteria, terminology and codification

iii) TC 190/SC 2 Sampling

iv) TC 190/SC 3 Chemical methods and soil characteristics

v) TC 190/SC 4 Biological methods

vi) TC 190/SC 5 Physical methods

vii) ISO/TC 134 Fertilizers and soil conditioners

viii) Central Fertilizer Committee (CFC)

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	** IS 294:1979	Super phosphate (second revision)	Feb 2011	1
2	** IS 826:1980	Specification for Ammonium sulphate, fertilizer grade (second revision)	Feb 2011	1
3	IS 853:1964	Specification for Bone-meal, raw (revised)	Feb 2011	
4	** IS 1013:1972	Specification for Triple superphosphate (first revision)	Feb 2011	1
5	IS 1014:1956	Specification for Bone-meal, steamed	Feb 2011	
6	** IS 1114:1964	Specification for Ammonium chloride, fertilizer grade (revised)	Feb 2011	1
7	* IS 1304:1980	Glossary of terms used in fertilizer trade and industry (second revision)	Feb 2011	
8	** IS 2409:1985	Specification for Calcium ammonium nitrate (second revision)	Feb 2011	1
9	** IS 2764:1980	Specification for Potassium sulphate, fertilizer grade (first revision)	Feb 2011	3
10	** IS 2779:1980	Specification for Potassium chloride (muriate of potash), fertilizer grade (first revision)	Feb 2011	2
11	* IS 3029:1964	Specification for Castorseed cake for fertilizer purpose	Feb 2011	1
12	** IS 4830:1979	Specification for Ammonium phosphate sulphate, granular (first revision)	Feb 2011	2
13	** IS 5406:1979	Specification for Urea, fertilizer grade (first revision)	Feb 2011	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

14	IS 5409(Part 1):1985	Specification for Agricultural liming materials as soil amendments : Part 1 Hydrated lime and burnt lime (first revision)	Dec 2013	2
15	IS 5409(Part 2):1985	Specification for Agricultural liming materials as soil amendments : Part 2: Lime stone and dolomite (first revision)	Dec 2013	2
16	IS 5985:1985	Code of practice for handling and storage of bagged fertilizers (first revision)	Feb 2011	
17	IS 6046:1982	Specification for Gypsum for agricultural use (first revision)	Dec 2013	2
18	** IS 6092(Part 1):1985	Methods of sampling and test for fertilizers (Part 1) Sampling (first revision)	Dec 2013	2
19	IS 6092(Part 2):1985	Methods of sampling and test for fertilizers: Part 2 Determination of nitrogen (first revision)	Feb 2011	
20	IS 6092(Part 2/Sec 1):2004	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 1 : Introduction (To be withdrawn)	Feb 2011	
21	IS 6092(Part 2/Sec 2):2004	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 2 : Test Methods not covered under Dual Number Standards (To be withdrawn)	Feb 2011	
22	IS 6092(Part 2/Sec 3):2004 / ISO 4176: 1981	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 3 : Nitrate Nitrogen Content - Nitron Gravimetric Method (To be withdrawn)	Dec 2008	
23	IS 6092(Part 2/Sec 4):2004 / ISO 5314: 1981	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 4 Ammoniacal nitrogen content - Titrimetric method after distillation (To be withdrawn)	Dec 2013	
24	IS 6092(Part 2/Sec 5):2004 / ISO 5315: 1984	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 5 Total nitrogen content - Titrimetric method after distillation (To be withdrawn)	Feb 2011	
25	IS 6092(Part 2/Sec 6):2004 / ISO 7408: 1983	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 6 Ammoniacal nitrogen content in the presence of other substances which release ammonia when treated with sodium hydroxide - Titrimetric method	Dec 2013	
26	IS 6092(Part 2/Sec 7):2004 / ISO 8603: 1993	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 7 : Solid Fertilizers - Determination of Urea Nitrogen Content - Gravimetric Method Using Xanthidrol (To be withdrawn)	Dec 2008	
27	** IS 6092(Part 3):1985	Methods of sampling and test for fertilizers: Part 3 Determination of phosphorus (first revision)	Feb 2011	
28	IS 6092(Part 3/Sec 1):2004	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 1 : Introduction (second revision) (To be withdrawn)	Feb 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

29	IS 6092(Part 3/Sec 2):2004	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 2 : Test Methods Not Covered Under Dual Number (second revision) (To be withdrawn)	Feb 2011	
30	IS 6092(Part 3/Sec 3):2004 / ISO 5316: 1977	Methods of sampling and test for fertilizers Part 3 Determination of Phosphorus Section 3 Extraction of water - Soluble phosphates (To be withdrawn)	Dec 2013	
31	IS 6092(Part 3/Sec 4):2004 / ISO 6598: 1985	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 4 : Quinoline Phosphomolybdate Gravimetric Method (To be withdrawn)	Feb 2011	
32	IS 6092(Part 3/Sec 5):2004 / ISO 7497: 1984	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 5 : Extraction of Phosphates Soluble in Mineral Acids	Feb 2011	
33	** IS 6092(Part 4):1985	Determination of potassium (first revision)	Feb 2012	
34	IS 6092(Part 5):1985	Determination of secondary elements and micronutrients (first revision)	Feb 2012	1
35	** IS 6092(Part 6):1985	Determination of moisture and impurities (first revision)	Feb 2012	
36	** IS 6448:1993	Diammonium phosphate - Specification (second revision)	Feb 2011	2
37	** IS 6661:1972	Specification for Potassium schoenite	Feb 2011	1
38	** IS 7131:1973	Specification for Nitrophosphate based granulated fertilizers	Feb 2011	1
39	IS 7863:1975	Specification for Fertilizer physical mixtures	Feb 2011	2
40	** IS 8249:1994	Specification for Zinc sulphate heptahydrate, agricultural grade - Specification (First Revision)	Feb 2011	2
41	IS 8268:2001	RHIZOBIUM inoculants - Specification (second revision)	Feb 2011	1
42	** IS 8359:1993	Urea ammonium phosphate based fertilizers - Specification (first revision)	Feb 2011	1
43	* IS 8558:1977	Specification for NEEM cake for manuring	Feb 2011	1
44	IS 9024:1978	Specification for Granulated fertilizer mixtures	Feb 2011	2
45	IS 9138:2009	AZOTOBACTER CHROOCOCCUM inoculants - Specification (second revision)		1
46	IS 10170:1982	Specification for By-product gypsum	Dec 2013	2
47	** IS 12113:1987	Specification for Ferrous sulphate heptahydrate, Agricultural Grade	Feb 2011	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

48	IS 12410:1988	Terminology related to soil reclamation	Dec 2013	
49	** IS 13921:1994	Chelated zinc (Zn-EDTA), agricultural grade - Specification	Feb 2011	1
50	** IS 13922:1994	Chelated iron (Fe-EDTA), agricultural grade - Specification	Feb 2011	1
51	IS 14403:1996	Agriculture grade iron pyrites as soil amendment - Specification	Dec 2013	1
52	IS 14634:1999	Code of practice for application of blue green algae as bio-fertilizer in soil	Dec 2013	
53	IS 14684:1999	Determination of Nitrogen and nitrogeneous compounds in soils	Dec 2013	
54	IS 14685:1999	Determination of total sulphur and sulphur compounds in soils	Dec 2013	
55	IS 14765:2000	Determination of water retention capacity in soils - Method of test	Feb 2011	
56	IS 14766:2000	Aggregate Size Distribution and Water Stability of Soil Aggregates - Method for Determination	Feb 2011	
57	IS 14767:2000	Determination of the Specific Electrical Conductivity of Soils - Method of Test	Feb 2011	
58	IS 14806:2000	Azospirillum inoculants	Feb 2011	2
59	IS 14807:2000	Phosphate Solubilising Bacterial Inoculant (PSBI) - Specification	Feb 2011	2
60	IS 15106:2002 / ISO 11465:1993	Determination of Drymatter and water content on a mass basis - Gravimetric method	Feb 2012	
61	IS 15107:2002 / ISO 11276:1995	Determination of pore water pressure - Tensiometer method	Feb 2012	
62	IS 15108:2002 / ISO 11464:1994	Pretreatment of samples for physico - Chemical analysis	Feb 2012	
63	* IS 15109(Part 1):2002 / ISO 11269-1:1993	Determination of effects of pollutants on soil flora: Part 1 Method for the measurement of inhibition of root growth	Feb 2012	
64	IS 15109(Part 2):2014 / ISO 11269-2:2012	Soil Quality - Determination of the effects of pollutants on soil flora: Part 2 Effects of contaminated soil on the emergence and early growth of higher plants (first revision)		
65	IS 15343:2003	Pressmud for reclamation of sodic soil - Specification	Feb 2012	1
66	** IS 15848:2009	Zinc sulphate monohydrate agricultural grade - Specification	Dec 2013	1
67	IS 15849:2009	Phosphate solubulizing fungal inoculants - Aspergillus awamori - Specification	Dec 2013	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

## **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 7(2491)	Draft Indian Standard - Castorseed cake for fertilizer purpose- Specification (first revision of IS 3029)
2	DOC.FAD 7(2492)	Draft Indian Standard - Neem cake for manuring - Specification (first revision of IS 8558)
3	DOC.FAD 7(2494)	Draft India Standard - Amendment No. 1 to IS 294:1979 Specification for superphosphate (second revision)
4	DOC.FAD 7(2495)	Draft Indian Standard - Amendment No. 1 to IS 853: 1964 Specification for bone-meal, raw (revised)
5	DOC.FAD 7(2496)	Draft Indian Standard - Amendment No. 1 to IS 1014: 1956 Specification for bone- meal, Steamed
6	DOC.FAD 7(2497)	Draft Indian Standard - Amendment No. 2 to IS 1114: 1964 Specification for ammonium chloride, fertilizer grade (revised)
7	DOC.FAD 7(2498)	Draft Indian Standard - Amendment No. 2 to IS 3029:1964 Specification for castorseed cake for fertilizer
8	DOC.FAD 7(2499)	Draft Indian Standard - Amendment No. 1 to IS 14766:2000 Aggregate size distribution and water stability of soil aggregates - Method for determination
9	DOC.FAD 7(2507)	Draft Indian Standard - Soil quality - Determination of effects of pollutants on soil flora: Part 1 Method for the measurement of inhibition of root growth (first revision of IS 15109-1) (Adoption of ISO 11269-1:2012)
10	DOC.FAD 7(2538)	Draft Indian Standard - Glossary of terms used in fertilizer trade and industry (third revision of IS 1304)

## **DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 7(2189)	Draft Indian Standard - Municipal solid waste compost, manure grade - Specification
2	DOC.FAD 7(2421)	Draft Indian Standard - Biofertilizer mycorrhiza inoculum - Specification
3	DOC.FAD 7(2500)	Draft Indian Standard - Pretreatment of samples for physico- chemical analysis (first revision of IS 15108) (Adoption of ISO 11464-2006)
4	DOC.FAD 7(2506)	Draft Amendment No. 1 to IS 12410:1988 Terminology related to soil reclamation

## **DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION**

1	DOC.FAD 7(2493)	Draft Indian Standard - Vermicomposed - Specification
2	DOC.FAD 7(2541)	Draft Indian Standard - Biofertilizer - Liquid based Rhizobium inoculants - Specification

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

3	DOC.FAD 7(2541)	Draft Indian Standard - Biofertilizer - Liquid based Rhizobium Inoculants - Specification
4	DOC.FAD 7(2542)	Draft Indian Standard - Biofertilizer - Liquid based Azotoacter Chroococcum Inoculants - Specification
5	DOC.FAD 7(2543)	Draft Indian Standard - Biofertilizer - Liquid based Azospirillum Inoculants - Specification
6	DOC.FAD 7(2544)	Draft Indian Standard - Biofertilizer - Liquid based Phosphate Solubilizing Bacterial Inoculants (PSBI) - Specification
7	DOC.FAD 7(2545)	Draft Indian Standard - Biofertilizer - Liquid based Phosphate Solubilizing Fungal Inoculants - Aspergillus Awamori - Specification
8	DOC.FAD 7(2560)	Draft Indian Standard Potash Mobilizing Bacterial Inoculant (KMBI) - Specification
9	DOC.FAD 7(2561)	Draft Indian Standard Consortia of Microbial Inoculants (Mixed Biofertilizer Inoculants) - Specification
10	DOC.FAD 7(2562)	Draft Indian Standard - Phosphate Rich Organic Manure - Specification
11	DOC.FAD 7(2563)	Draft Indian Standard - Zinc Solubilizing Bacterial Inoculant (ZnSBI) - Specification

**ASPECT WISE REPORT**

PRODUCT	35
METHODS OF TEST	28
CODES OF PRACTICES	2
TERMINOLOGY	2
<b>TOTAL : 67</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 8 FOOD ADDITIVES

- SCOPE -**
- A. Fruits, vegetables and allied products.
  - B. Dried fruits and nuts, coconut, bamboo, mushroom and their products.
  - C. Physical and chemical methods of test pertaining to this committee including microbiological aspects.
  - D. General methodology for sensory evaluation pertaining to this committee including nutritional aspects.
  - E. Requirements for packaging, storage and transportation of products pertaining to this committee.
  - F. Liaison with
    - i) ISO/TC 34/SC 3 Fruits and vegetable products
    - ii) ISO/TC 34/SC 14 Fresh, Dry and dried fruits and vegetables
  - B) Physical and chemical methods of test pertaining to this committee including microbiological aspects
  - C) General methodology for sensory evaluation including nutritional aspects

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 253:2014	Specification for Edible common salt (fourth revision)	Oct 2013	1
2	IS 594:1981	Specification for common salt for fish curing (second revision)	Oct 2013	
3	IS 1694:1994	Tartrazine, food grade - Specification (second revision)	Jul 2012	
4	* IS 1695:1994	Sunset yellow, food grade - Specification (second revision)	Jul 2012	
5	IS 1697:1994	Erythrosine, food grade - Specification (second revision)	Jul 2012	
6	* IS 1698:1994	Indigo Carmine, food grade - Specification (second revision)	Jul 2012	1
7	IS 1699:1995	Methods of sampling and test for food colours (second revision)	Oct 2013	1
8	IS 2557:1994	Annatto colour for food products - Specification (first revision)	Oct 2013	2
9	IS 2558:1994	Ponceau 4R, food grade - Specification (second revision)	Jul 2012	1
10	IS 2697:1976	Specification for ammonium bicarbonate for food industry (first revision)	Jul 2012	1
11	IS 2923:1995	Carmoisine, food grade - Specification (second revision)	Jul 2012	
12	IS 2962:1964	Methods of sampling and test for KATTHA	Oct 2013	1
13	IS 3827:2008	Riboflavin, food grade - Specification (first revision)	Oct 2013	

\* INDICATES STANDARDS UNDER REVISION  
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/ INDICATES EQUIVALENT STANDARDS



14	IS 3841:2008	β-carotene food grade -Specification (first revision)	Oct 2013	
15	IS 4359:1967	Specification for KATTHA	Oct 2013	1
16	IS 4446(Part 1):2008	Chlorophyll - Specification : Part 1 Magnesium Complex (second revision)	Oct 2013	1
17	IS 4446(Part 2):2008	Chlorophyll, food grade - Specification : Part 2 Copper Complex (second revision)	Oct 2013	1
18	IS 4447:1994	Sodium benzoate, food grade - Specification (first revision)	Jul 2012	2
19	IS 4448:1994	Benzoic acid, food grade - Specification (first revision)	Jul 2012	1
20	IS 4467:1996	Caramel - Specification (second revision)	Oct 2013	2
21	IS 4750:1996	Sorbitol, powder, food grade - Specification (first revision)	Oct 2013	2
22	IS 4751:1994	Potassium metabisulphite, food grade - Specification (first revision)	Jul 2012	
23	IS 4752:1994	Sodium metabisulphite, food grade - Specification (first revision)	Jul 2012	1
24	IS 4753:2008	Potassium nitrate, food grade - Specification (second revision)	Jul 2012	
25	IS 4818:1996	Sorbic acid, food grade - Specification (first revision)	Jul 2012	
26	IS 5055:1996	Lecithin, food grade - Specification (first revision)	Oct 2013	1
27	IS 5056:1969	Common names for coal tar, food colours	Oct 2013	
28	IS 5057:1997	Potassium nitrite, food grade - Specification (first revision)	Oct 2013	
29	IS 5058:1996	Sodium citrate, food grade - Specification (first revision)	Oct 2013	
30	IS 5191:1993	Sodium alginate, food grade - Specification (first revision)	Jul 2012	1
31	IS 5306:1996	Sodium carboxymethyl cellulose, food grade - Specification (second revision)	Jul 2012	1
32	IS 5342:1996	Ascorbic acid, food grade - Specification (first revision)	Jul 2012	1
33	IS 5343:1996	Butylated hydroxyanisole, food grade - Specification (first revision)	Jul 2012	1
34	IS 5345:1996	Sodium saccharin, food grade - Specification (second revision)	Oct 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

35	IS 5346:1994	Synthetic food colour - Preparations and mixtures - Specification (second revision)	Oct 2013	4
36	IS 5707:1996	Agar, food grade - Specification (first revision)	Oct 2013	1
37	IS 5708:1996	Sodium tartrate, food grade - Specification (first revision)	Oct 2013	
38	IS 5709:1997	Calcium saccharin, food grade - Specification (second revision)	Oct 2013	
39	IS 5719:2005	Gelatin, food grade - Specification (first revision)	Oct 2013	
40	IS 6022:1994	Fast green FCF, food grade - Specification (second revision)	Jul 2012	
41	IS 6030:1997	Sodium propionate, food grade - Specification (first revision)	Jul 2012	1
42	IS 6031:1997	Calcium propionate, food grade - Specification (first revision)	Jul 2012	1
43	IS 6120:1971	Method of test for total dye content in food colour preparations	Oct 2013	2
44	IS 6385:1997	Saccharin, food grade - Specification (second revision)	Jul 2012	1
45	IS 6386:1971	Specification for Beta-APO-8 - carotenal, food grade	Jul 2012	1
46	IS 6405:1971	Specification for Canthaxanthine, food grade	Jul 2012	1
47	IS 6406:1994	Brilliant blue, FCF, food grade - Specification (second revision)	Jul 2012	
48	IS 6793:1996	Fumaric acid, food grade - Specification (first revision)	Oct 2013	1
49	IS 6794:1997	Dodecyl gallate, food grade - Specification (first revision)	Oct 2013	1
50	IS 6795:2007	Acacia (Arabic) gum, food grade - Specification (first revision)	Oct 2013	
51	IS 6796:1997	Propyl gallate, food grade - Specification (first revision)	Jul 2012	1
52	IS 6797:1972	Specification for Methyl ester of Beta-apo-8 carotenoic acid	Jul 2012	1
53	IS 6798:1997	Octyl gallate, food grade - Specification (first revision)	Jul 2012	1
54	IS 7224:2006	Iodized Salt, Vacuum Evaporated Iodized Salt and Refined Iodized Salt - Specification (second revision)	Jul 2010	2
55	IS 7237:1997	Carob bean gum, food grade - Specification (first revision)	Jul 2012	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

56	IS 7238:1997	Tragacanth gum, food grade - Specification (first revision)	Jul 2012	1
57	IS 7239:2007	Gum ghatti, food grade - Specification (first revision)	Jul 2011	
58	IS 7260:1974	Specification for Ethyl ester of Beta-apo-8 `carotenoic acid' food grade	Oct 2013	1
59	IS 7584:1975	Specification for Reference food colour boxes	Oct 2013	1
60	IS 7905:1996	Calcium Alginate, food grade - Specification (first revision)	Jul 2012	1
61	IS 7908:1997	Sulphur dioxide, food grade - Specification (first revision)	Jul 2012	1
62	IS 7928:1993	Alginic acid, food grade - Specification (first revision)	Jul 2012	2
63	* IS 8356:1993	Titanium dioxide, food grade - Specification (first revision)	Oct 2013	
64	IS 9504:2007	L (+) - Tartaric Acid, Food Grade - Specification (first revision)	Jul 2011	
65	IS 9505:2007	Monosodium L-glutamate, food grade - Specification (first revision)	Jul 2011	
66	IS 9605:1992	Alpha-amylase, food grade - Specification (first revision)	Jul 2012	1
67	IS 9953:1981	Specification for Glyceryl monostearate, food grade	Oct 2013	2
68	IS 9970:1981	Specification for Dicalcium phosphate, food grade	Oct 2013	
69	IS 9971:1981	Specification for Lactic acid, food grade	Jul 2012	1
70	IS 10502:1993	Guar gum, food grade - Specification (first revision)	Jul 2010	1
71	IS 10508:2007	Specification for Phosphoric acid, food grade (first revision)	Oct 2013	
72	IS 10563:1983	Specification for Mineral oil, food grade	Oct 2013	
73	IS 11686:1997	Iso-propyl alcohol, food grade - Specification (first revision)	Oct 2013	
74	IS 11909:1986	Specification for Sweet orange oil, cold pressed, food grade	Oct 2013	
75	IS 11910:1986	Specification for Spearmint oil, food grade	Oct 2013	
76	IS 11911:1986	Specification for Caffeine, food grade	Oct 2013	

\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
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77	IS 11912:1986	Specification for Lime oil, distilled food grade	Oct 2013	
78	IS 11913:1986	Specification for Tert-Butylhydroquinone (TBHQ)	Oct 2013	
79	IS 12342(Part 1):1988	Specification for Raw Seaweeds: Part 1 Agarophytes	Oct 2013	
80	IS 12342(Part 2):1988	Specification for Raw Seaweeds: Part 2 Alginophytes	Oct 2013	
81	IS 12408:1988	Specification for Gum Karaya, food grade	Oct 2013	
82	* IS 12981:1991	Common salt - Iron fortified - Specification	Oct 2013	
83	IS 13186:1991	Citric acid, food grade - Specification	Jul 2012	2
84	IS 13462:1992	Ascorbyl palmitate, food grade - Specification	Oct 2013	
85	IS 13657:1993	Aspartame, food grade - Specification	Oct 2013	
86	IS 13658:1993	Polyglycerol esters of fatty acids, food grade - Specification	Oct 2013	1
87	IS 13659:1993	Polyglycerol esters of interestrified ricinoleic acid, food grade - Specification	Oct 2013	1
88	IS 13702:1993	Propylene glycol, food grade - Specification	Oct 2013	1
89	IS 13704:1993	Glycerol ester of wood rosin (ester gums), food grade - Specification	Oct 2013	2
90	IS 14123:1994	Sodium ascorbate, food grade - Specification	Oct 2013	
91	IS 14124:1994	Malic acid, food grade - Specification	Oct 2013	2
92	IS 14125:1994	DL-Tartaric acid, food grade - Specification	Oct 2013	1
93	IS 15694:2006	Potassium iodate, food grade - Specification	Jul 2010	
94	IS 15928:2012	Sodium hydroxide, food grade - Specification		
95	IS 15929:2012	Pectin, food grade - Specification		
96	IS 15969:2013	Sucralose, food grade - Specification		

**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 8(1889)	Draft Indian Standard - Acesulfame potassium, food grade - Specification
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\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- |   |                 |  |
|---|-----------------|--|
| 2 | DOC.FAD 8(1996) | Draft Indian Standard - Carrageenan, food grade - Specification  |
| 3 | DOC.FAD 8(2322) | Draft Indian standard Sodium hexa Meta Phosphate - Food grade - Specification                          |
| 4 | DOC.FAD 8(2355) | Draft Indian Standard - Sunset yellow FCF, Food grade - Specification (third revision of IS 1695:1974) |

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

- |   |                 |   |
|---|-----------------|---|
| 1 | DOC.FAD 8(2327) | Draft Indian Standard Iron fortified Iodized salt(Double fortified salt) Food grade - Specification (First revision of IS 12981:1991) |
| 2 | DOC.FAD 8(2360) | Draft Indian Standard - Sucrose Monoesters of Lauric, Palmitic or Stearic Acid, Food Grade - Specification                            |
| 3 | DOC.FAD 8(2361) | Draft Indian Standard - Indigo Carmine, Food Grade - Specification (Third Revision of IS 1698)  |
| 4 | DOC.FAD 8(2362) | Draft Amendment No. 1 to IS 8356:1994 Titanium Di oxide, Food Grade - Specification (first revision)                                  |
| 5 | DOC.FAD 8(2366) | Draft Amendment No. 1 to IS 10508:2007 Specification for phosphoric acid, food grade (first revision)                                 |

**DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION**

- |   |                 |  |
|---|-----------------|--|
| 1 | DOC.FAD 8(2358) | Draft Indian Standard - Cassia gum, food grade - Specification       |
| 2 | DOC.FAD 8(2359) | Draft Indian Standard Steviol Glycosides, Food Grade - Specification |

**ASPECT WISE REPORT**

PRODUCT	92
METHODS OF TEST	3
TERMINOLOGY	1
<b>TOTAL : 96</b>	

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

FAD 9 SPICES AND CONDIMENTS

**SCOPE -** A) Spices and Condiments  
 B) General methodology for sensory evaluation including nutritional aspects  
 C) Liaison with ISO/TC 34/SC 7 Spices and condiments and maintenance of secretariat on behalf of India

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 1797:1985	Methods of test for spices and condiments (second revision)	Sep 2013	2
2	IS 1798:2010	Specification for Black pepper, whole and ground (second revision)		
3	IS 1877:1985	Terminology for spices and condiments (second revision)	Sep 2013	
4	IS 1907:1984	Specification for Cardamom (capsules and seeds) (second revision)	Sep 2013	2
5	IS 1908:2008	Spices and Condiments - Ginger, whole and ground - Specification (third revision)	Sep 2013	
6	IS 1909:1992	Spices and Condiments - Indian curry powder - Specification (first revision)	May 2012	1
7	IS 2322:2010	Spices and Condiments - Chillies, whole and ground(powdered) - Specification (second revision)		
8	IS 2323:2011	Specification for Mustard, whole and ground (second revision)		
9	IS 2443:2008	Spices and Condiments - Coriander, whole and ground (third revision)	Sep 2013	
10	IS 2447:2010	Spices and Condiments - Cumin (safed jeera), whole - Specification (third revision)		
11	IS 3576:2010	Spices and Condiments - Turmeric, whole and ground - Specification (third revision)		
12	IS 3795:2010	Spices and Condiments - Fenugreek, whole and ground - Specification (second revision)		
13	IS 3796:2011	Spices and Condiments - Fennel seeds, whole - Specification (second revision)		
14	IS 3797:2011	Spices and Condiments - Celery seeds - Specification (second revision)		
15	IS 4403:2010	Specification for Ajowan (second revision)		
16	IS 4404:2010	Cloves, whole and ground - Specification (third revision)		
17	IS 4452:2009	Dehydrated onion - Specification (first revision)	Sep 2013	

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

18	IS 4811:2014	Cinnamon, whole - Specification (second revision)		
19	IS 5452:2008	Dehydrated garlic - Specification (second revision)	Sep 2013	
20	* IS 5453(Part 1):1996   ISO 3632-1:1993	Saffron : Part 1 Specification (second revision)	Sep 2013	
21	* IS 5453(Part 2):1996 / ISO 3632-2:1993	Saffron : Part 2 Method of test	May 2012	
22	IS 5832:1984	Specification for Black pepper oleoresin (second revision)	May 2012	
23	IS 5955:1993	Spices and Condiments - Tamarind concentrate - Specification (first revision)	May 2012	2
24	IS 6364:1993	Spices and Condiments - Tamarind pulp - Specification (second revision)	May 2012	2
25	IS 7807:1975	Method of test for Asafoetida	Sep 2013	
26	IS 7826:1984	Specification for Ginger oleoresin (first revision)	May 2012	
27	IS 8104:1996 / ISO 3513:1995	Chillies - Determination of scoville index (first revision)	Sep 2013	
28	IS 8105:1976	Method for sensory evaluation of pungency of black pepper by scoville heat units	Sep 2013	
29	IS 9486:2011	Dehydrated green pepper - Specification (first revision)		
30	IS 10925:1984	Specification for Turmeric oleoresin	May 2012	1
31	IS 11300:2011	Caraway seeds - Specification (first revision)		
32	IS 11582:1986	Method for sensory evaluation of pungency of ginger by scoville units	Sep 2013	
33	IS 13145:2014	Spices and Condiments - Methods of sampling (second revision)		
34	IS 13242:1991	Spices and Condiments - Amchur, raw mango [MANGIFERA INDICA (LINN)] powder	May 2012	1
35	IS 13446:2009	Spices and Condiments - Large Cardamom - Capsules and Seeds - Specification (second revision)	Sep 2013	
36	IS 13474:2011	Green pepper canned in brine - Specification (first revision)		
37	IS 13545:1992	Garam masala - Specification	May 2012	
38	IS 13644:1992	Dry Kokum - Specification	May 2012	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

39	IS 13663:1993	Chillies oleoresin - Specification	May 2012	2
40	IS 13895:1994	Spices and Condiments - Tamarind powder - Specification	May 2012	1
41	IS 15459:2004 / ISO 3493:1999	Vanilla - Vocabulary	Feb 2010	
42	IS 15460(Part 1):2004 / ISO 5565-1:1999	Vanilla [ Vanilla Fragrans (Salisbury) Ames] : Part 1 Specification	May 2012	
43	IS 15460(Part 2):2004 / ISO 5565-2:1999	Vanilla [ Valnila Fragrans (Salisbury) Ames] : Part 2 Test Methods	Feb 2010	
44	IS 15695:2006 / ISO 11027:1993	Pepper and pepper oleoresins - Determination of piperine content - Method using high-performance liquid chromatography	Feb 2011	
45	IS 15697(Part 1):2006 / ISO 7543-1:1994	Chillies and chilli oleoresins - Determination of total capsaicinoid content - Part 1: Spectrometric method	Feb 2011	
46	IS 15697(Part 2):2006 / ISO 7543-2:1963	Chillies and chilli oleoresins - Determination of total capsaicinoid content - Part 2: Method using high-performance liquid chromatography	Feb 2011	
47	IS 15699:2006 / ISO 7542:1984	Ground (powdered) paprika (Capsicum annum Linnaeus) - Microscopical examination	Feb 2011	
48	IS 15701:2006 / ISO 7541:1989	Ground (powdered) paprika - Determination of total natural colouring matter content	Feb 2011	

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 9(2438)	Draft Indian Standards - Methods of tests for spices & condiments (third revision of IS 1797)
2	DOC.FAD 9(2515)	Draft Indian Standard — Spices — Saffron (Crocus sativus L.) Part 1 Specification [Third Revision of IS 5453 (Part 1)] (Adoption of ISO 3632 - 1 : 2011)
3	DOC.FAD 9(2516)	Draft Indian Standard — Spices — Saffron (Crocus sativus L.) Part 2 Test Methods [First Revision of IS 5453 (Part 2)] (Adoption of ISO 3632 - 2 : 2010)
4	DOC.FAD 9(2517)	Draft Indian Standard — Pimento (allspice) [Pimenta dioica (L.) Merr.], whole or gound — Specification (Adoption of ISO 973 : 1999)
5	DOC.FAD 9(2518)	Draft Indian Standard — Dried mint (spearmint) (Mentha spicata Linnaeus syn. Mentha viridis Linnaeus) — Specification (Adoption of ISO 2256 : 1984)
6	DOC.FAD 9(2519)	Draft Indian Standard — Dried peppermint (Mentha piperita Linnaeus) — Specification (Adoption of ISO 5563 : 1984)
7	DOC.FAD 9(2520)	Draft Indian Standard — Dried thyme (Thymus vulgaris L.) — Specification (Adoption of ISO 6754 : 1996)
8	DOC.FAD 9(2521)	Draft Indian Standard — Laurel (Lauruss nobilis L.) — Whole and ground leaves — Specification (Adoption of ISO 6576 : 2004)

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



9	DOC.FAD 9(2522)	Draft Indian Standard — Juniper berries ( <i>Juniperus communis</i> Linnaeus) — Specification (Adoption of ISO 7377 :1984)
10	DOC.FAD 9(2524)	Draft Indian Standard — Dried oregano ( <i>Origanum vulgare</i> L.) — Whole or ground leaves — Specification (Adoption of ISO 7925 : 1999)
11	DOC.FAD 9(2525)	Draft Indian Standard — Dehydrated tarragon ( <i>Artemisia dracunculus</i> Linnaeus) — Specification (Adoption of ISO 7926 : 1991)
12	DOC.FAD 9(2526)	Draft Indian Standard — Savory — Specification Part 1 Winter savory ( <i>Satureja montana</i> Linnaeus) (Adoption of ISO 7928 - 1 : 1991)
13	DOC.FAD 9(2527)	Draft Indian Standard — Savory — Specification Part 2 Summer savory ( <i>Satureja hortensis</i> Linnaeus) (Adoption of ISO 7928 - 2 : 1991)
14	DOC.FAD 9(2528)	Draft Indian Standard — Dried sweet marjoram ( <i>Origanum majorana</i> L.) — Specification (Adoption of ISO 10620 : 1995)
15	DOC.FAD 9(2529)	Draft Indian Standard — Dried sweet basil ( <i>Ocimum basilicum</i> L.) — Specification (Adoption of ISO 11163 : 1995)
16	DOC.FAD 9(2530)	Draft Indian Standard — Dried rosemary ( <i>Rosmarinus officinallis</i> L.) — Specification (Adoption of ISO 11164 : 1995)
17	DOC.FAD 9(2531)	Draft Indian Standard — Dried sage ( <i>Salvia officinalis</i> L.) — Specification (Adoption of ISO 11165 : 1995)
18	DOC.FAD 9(2532)	Draft Indian Standard — Star anise ( <i>Illicium verum</i> Hook. f.) — Specification (Adoption of ISO 11178 : 1995)

**DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 9(2534)	Preliminary Draft Indian Standard Spices and condiments - Aniseed, whole - Specification
2	DOC.FAD 9(2535)	Preliminary Draft Indian Standard Spices and condiments - White pepper, whole and ground - Specification
3	DOC.FAD 9(2536)	Preliminary Draft Indian Standard Spices and condiments - Mace, whole and ground - Specification
4	DOC.FAD 9(2537)	Preliminary Draft Indian Standard Spices and condiments - Nutmeg, whole and ground - Specification

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 9(2438)	Draft Indian Standard — Methods of test for spices and condiments (Third Revision of IS 1797)
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\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

**ASPECT WISE REPORT**

PRODUCT	33
METHODS OF TEST	13
TERMINOLOGY	2
<b>TOTAL :</b>	<b>48</b>

*\* INDICATES STANDARDS UNDER REVISION*

*/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED*

*/ INDICATES EQUIVALENT STANDARDS*

FAD 10 FRUITS, VEGETABLES AND ALLIED PRODUCTS

- SCOPE -**
- A. Fruits, vegetables and allied products.
  - B. Dried fruits and nuts, coconut, bamboo, mushroom and their products.
  - C. Physical and chemical methods of test pertaining to this committee including microbiological aspects.
  - D. General methodology for sensory evaluation pertaining to this committee including nutritional aspects.
  - E. Requirements for packaging, storage and transportation of products pertaining to this committee.
  - F. Liaison with
    - i) ISO/TC 34/SC 3 Fruits and vegetable products
    - ii) ISO/TC 34/SC 14 Fresh, dry and dried fruits and vegetables

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 966:1999	Desiccated coconut - Specification (second revision)	Feb 2010	
2	IS 2860:1964	Methods of sampling and test for processed fruits and vegetables	Dec 2013	1
3	IS 2867:1964	Specification for canned mangoes	Dec 2013	2
4	IS 2868:1964	Specification for canned pineapples	Dec 2013	2
5	IS 2869:1964	Specification for canned orange segments	Dec 2013	2
6	IS 3245:1965	Specification for canned peas	Dec 2013	2
7	IS 3246:1976	Specification for canned okra (BHINDI) (first revision)	Dec 2013	1
8	IS 3247:1976	Specification for canned bitter gourd (KARELA) (first revision)	Dec 2013	1
9	IS 3248:1993	Canned tomatoes - Specification (first revision)	Dec 2013	1
10	IS 3500:1966	Specification for mango chutney	Dec 2013	1
11	IS 3501:1966	Specification for pickles	Dec 2013	1
12	IS 3543:1966	Specification for papain	Dec 2013	
13	IS 3547:1976	Specification for mango nectar (first revision)	Dec 2013	1
14	IS 3880:1976	Specification for canned mango pulp (first revision)	Dec 2013	1
15	IS 3881:1993	Tomato juice - Specification (first revision)	Dec 2013	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

16	IS 3882:1966	Specification for tomato ketchup	Dec 2013	2
17	IS 3883:1993	Canned Tomato Concentrate - Tomato puree - Specification (first revision)	Dec 2013	1
18	IS 3884:1993	Canned tomato concentrate - Tomato paste - Specification (first revision)	Dec 2013	1
19	IS 4624:1978	Specification for dehydrated peas (first revision)	Dec 2013	1
20	IS 4625:1968	Specification for dehydrated carrots	Dec 2013	1
21	IS 4626:1978	Specification for dehydrated potatoes (first revision)	Dec 2013	3
22	IS 4627:1968	Specification for dehydrated cabbage	Dec 2013	3
23	IS 4628:1978	Specification for dehydrated okra (BHINDI) (first revision)	Dec 2013	1
24	IS 4935:1968	Specification for synthetic syrups	Dec 2013	1
25	IS 4936:1968	Specification for fruit squashes	Dec 2013	1
26	IS 5781:1993 / ISO 1026:1982	Fruit and vegetable products - Determination of dry matter content under reduced pressure and of water content by azeotropic distillation (first revision)	Dec 2013	
27	IS 5800:2003	Orange juice preserved exclusively by physical means - Specification (first revision)	Dec 2013	
28	IS 5861:1993	Jams, jellies and marmalades - Specification (first revision)	Dec 2013	1
29	IS 6028:2002 / ISO 931:1980	Green bananas - Guide to storage and transport (second revision)	Dec 2013	
30	IS 6669:2001 / ISO 1212:1995	Apples - Guide to cold storage (first revision)	Dec 2013	
31	IS 6670:1972	Guide for storage of potatoes	Dec 2013	
32	IS 7191:2001 / ISO 5524:1991	Tomatoes - Guide to cold storage and refrigerated transport (first revision)	Dec 2013	
33	IS 7192:1974	Guide for storage of citrus fruits	Dec 2013	1
34	IS 7252:2013 / ISO 2169:1981	Fruits and Vegetables - Physical conditions in cold stores - Definition and measurement (first revision)		
35	IS 7730:1975	Guide for storage of pears	Dec 2013	
36	IS 7731:1975   ISO 873:1980	Guide for storage of peaches	Dec 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

37	IS 7732:2003	Apple juice preserved exclusively by physical means - Specification (first revision)	Dec 2013	1
38	* IS 7749:1975	Specification for walnuts	Dec 2013	
39	IS 7750:2013	Cashew kernels - Specification (first revision)		
40	IS 8153:1986	Method for sensory evaluation of fresh fruits (first revision)	Dec 2013	
41	IS 8713:2003	Mango juice preserved exclusively by physical means - Specification (first revision)	Dec 2013	
42	IS 8786:1978	Specification for okra (BHINDI) canned in tomato sauce	Dec 2013	1
43	IS 9303:1979	Guide for cold storage of table grapes	Dec 2013	1
44	IS 9304:1979	Guide for storage of mangoes	Dec 2013	1
45	IS 9311:2001 / ISO 1673:1991	Onions - Guide to storage (first revision)	Dec 2013	
46	IS 9789:1981	Specification for canned apricot	Dec 2013	1
47	IS 9790:1981	Specification for canned french beans	Dec 2013	1
48	IS 9791:1981	Specification for canned TINDA	Dec 2013	1
49	IS 9811:1981	Specification for canned KUNDRI	Dec 2013	1
50	IS 9812:1981	Specification for canned spinach	Dec 2013	1
51	IS 9822:1981	Specification for canned PARWAL	Dec 2013	1
52	IS 9823:1981	Specification for canned potatoes	Dec 2013	1
53	IS 10252:1982	Specification for canned carrot in brine	Dec 2013	1
54	IS 10253:1982	Specification for canned papaya in syrup	Dec 2013	1
55	IS 11965:1987 / ISO 6000:1981	Round-headed cabbage - Storage in the open	Dec 2013	
56	IS 11966:1997 / ISO 6663:1995	Garlic - Guide to cold storage (first revision)	Dec 2013	
57	IS 11977:1987 / ISO 3959:1977	Green bananas - Ripening condition	Dec 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

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/ INDICATES EQUIVALENT STANDARDS

58	IS 13815:2009 / ISO 2173:2003	Fruit and vegetable products - Determination of soluble solids content - Refractometric method (first revision)	
59	IS 13816:2009 / ISO 762:2003	Fruit and vegetable products - Determination of mineral impurities content (first revision)	
60	IS 13844:2003 / ISO 750:1998	Fruits and vegetable products - Determination of titratable acidity (first revision)	Dec 2013
61	IS 13845:2003 / ISO 751:1998	Fruits and vegetable products - Determination of water-insoluble solid content (first revision)	Dec 2013
62	IS 13846:2009 / ISO 763:2003	Fruit and vegetable products - Determination of ash insoluble in hydrochloric acid (first revision)	Dec 2013
63	IS 14266:1995	Canned mushrooms - Specification	Dec 2013
64	IS 14267(Part 1):1995	Quick frozen vegetables - Specification : Part 1 Quick frozen peas	Feb 2012
65	IS 14267(Part 2):1995	Quick frozen vegetables - Specification : Part 2 Quick frozen coulliflower	Feb 2012
66	IS 14267(Part 3):1995	Quick frozen vegetables : Part 3 Quick frozen spinach	Feb 2012
67	IS 14267(Part 4):1995	Quick frozen vegetables : Part 4 Quick frozen beans	Feb 2012
68	IS 14703:1999	Vinegar - Specification	Dec 2013
69	IS 15088:2001	Lemon juice preserved exclusively by physical means - Specification	Dec 2013
70	IS 15089:2002	Pineapple juice preserved exclusively by physical means - Specification	Dec 2013
71	IS 15095:2002	Concentrated pineapple juice preserved exclusively by physical means - Specification	Dec 2013
72	IS 15096:2002 / ISO 2448:1998	Fruits and vegetable products - Determination of ethanol content	Feb 2012
73	IS 15273:2003	Concentrated orange juice preserved exclusively by physical means - Specification	Dec 2013
74	IS 15529:2004 / ISO 1955:1982	Citrus fruits and derived products - Determination of essential oils content (Reference method)	Dec 2013
75	IS 15688:2006	Canned bamboo shoot - Specification	Apr 2010
76	IS 15689:2006	Bamboo shoot in brine - Specification	Apr 2010
77	IS 15690:2006	Dry salted bamboo shoot - Specification	Apr 2010
78	IS 15691:2006	Guidelines for storage and transportation of bamboo shoot	Apr 2010

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

79	IS 15698:2006	Dehydrated bamboo shoot - Specification	Apr 2010
80	IS 15706:2006 / ISO 6632:1981	Fruits, vegetables and derived products - Determination of volatile acidity	Apr 2010
81	IS 16116:2013	Coconut milk powder - Specification	
82	IS 16117:2013	Chilgoza nuts - Specification	
83	IS 16118:2013 / ISO 6665:1983	Strawberries - Guide to cold storage	

**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 10(2009)	Draft Indian Standard - Packed tender coconut water - Specification
2	DOC.FAD 10(2067)	Draft Amendment No. 3 to IS 2867:1964 Specification for canned mangoes
3	DOC.FAD 10(2068)	Draft Amendment No. 3 to IS 2868:1964 Specification for canned pineapples
4	DOC.FAD 10(2069)	Draft Amendment No. 3 to IS 2869:1964 Specification for canned orange segments
5	DOC.FAD 10(2070)	Draft Amendment No. 3 to IS 3245:1965 Specification for canned peas
6	DOC.FAD 10(2071)	Draft Amendment No. 2 to IS 3246:1976 Specification for canned okra (bhindi) (first revision)
7	DOC.FAD 10(2072)	Draft Amendment No. 2 to IS 3247:1976 Specification for canned bitter gourd (karela) (first revision)
8	DOC.FAD 10(2073)	Draft Amendment No. 2 to IS 3248:1993 Canned tomatoes - Specification (first revision)
9	DOC.FAD 10(2074)	Draft Amendment No. 2 to IS 3500:1966 Specification for mango chutney
10	DOC.FAD 10(2075)	Draft Amendment No. 2 to IS 3501:1966 Specification for pickles
11	DOC.FAD 10(2076)	Draft Amendment No. 2 to IS 3547:1976 Specification for mango nectar (first revision)
12	DOC.FAD 10(2077)	Draft Amendment No. 2 to IS 3880:1976 Specification for canned mango pulp (first revision)
13	DOC.FAD 10(2078)	Draft Amendment No. 2 to IS 3881:1993 Tomato juice - Specification (first revision)
14	DOC.FAD 10(2079)	Draft Amendment No. 3 to IS 3882:1966 Specification for tomato ketchup
15	DOC.FAD 10(2080)	Draft Amendment No. 2 to IS 3883:1993 Canned tomato concentrate - Tomato puree - Specification (first revision)

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

16	DOC.FAD 10(2081)	Draft Amendment No. 2 to IS 3884:1993 Canned tomato concentrate - Tomato paste - Specification (first revision)
17	DOC.FAD 10(2082)	Draft Amendment No. 2 to IS 4624:1978 Specification for dehydrated peas (first revision)
18	DOC.FAD 10(2083)	Draft Amendment No. 3 to IS 4625:1968 Specification for dehydrated carrots
19	DOC.FAD 10(2084)	Draft Amendment No. 4 to IS 4626:1978 Specification for dehydrated potatoes (first revision)
20	DOC.FAD 10(2085)	Draft Amendment No.4 to IS 4627:1968 Specification for dehydrated cabbage
21	DOC.FAD 10(2086)	Draft Amendment No. 2 to IS 4628:1978 Specification for dehydrated okra (bhindi) (first revision)
22	DOC.FAD 10(2087)	Draft Amendment No. 2 to IS 4935:1968 Specification for synthetic syrups
23	DOC.FAD 10(2088)	Draft Amendment No. 2 to IS 4936:1968 Specification for fruit squashes
24	DOC.FAD 10(2089)	Draft Amendment No. 1 to IS 5800:2003 Orange juice preserved exclusively by physical means - Specification (first revision)
25	DOC.FAD 10(2090)	Draft Amendment No. 2 to IS 5861:1993 Jams, jellies and marmalades - Specification (first revision)
26	DOC.FAD 10(2091)	Draft Amendment No. 1 to IS 7732:2003 Apple juice preserved exclusively by physical means - Specification (first revision)
27	DOC.FAD 10(2092)	Draft Amendment No. 1 to IS 7749:1975 Specification for walnuts
28	DOC.FAD 10(2094)	Draft Amendment No. 1 to IS 8713:2003 Mango juice preserved exclusively by physical means - Specification (first revision)
29	DOC.FAD 10(2095)	Draft Amendment No. 2 to IS 8786:1978 Specification for okra (bhindi) canned in tomato sauce
30	DOC.FAD 10(2096)	Draft Amendment No. 2 to IS 9789:1981 Specification for canned apricot
31	DOC.FAD 10(2097)	Draft Amendment No. 2 to IS 9790:1981 Specification for canned french beans
32	DOC.FAD 10(2098)	Draft Amendment No. 2 to IS 9791:1981 Specification for canned tinda
33	DOC.FAD 10(2099)	Draft Amendment No. 2 to IS 9811:1981 Specification for canned kundri
34	DOC.FAD 10(2100)	Draft Amendment No. 2 to IS 9812:1981 Specification for canned spinach
35	DOC.FAD 10(2101)	Draft Amendment No. 2 to IS 9822:1981 Specification for canned parwal

\* INDICATES STANDARDS UNDER REVISION  
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36	DOC.FAD 10(2102)	Draft Amendment No. 2 to IS 9823:1981 Specification for canned potatoes
37	DOC.FAD 10(2103)	Draft Amendment No. 2 to IS 10252:1982 Specification for canned carrot in brine
38	DOC.FAD 10(2104)	Draft Amendment No. 2 to IS 10253:1982 Specification for canned papaya in syrup
39	DOC.FAD 10(2105)	Draft Amendment No. 1 to IS 14266:1995 Canned mushrooms - Specification
40	DOC.FAD 10(2106)	Draft Amendment No. 1 to IS 14267(Part 1):1995 Quick frozen vegetables - Specification: Part 1 Quick frozen peas
41	DOC.FAD 10(2107)	Draft Amendment No. 1 to IS 14267(Part 2):1995 Quick frozen vegetables - Specification : Part 2 Quick frozen cauliflower
42	DOC.FAD 10(2108)	Draft Amendment No. 1 to IS 14267(Part 3):1995 Quick frozen vegetables: Part 3 Quick frozen spinach
43	DOC.FAD 10(2109)	Draft Amendment No. 1 to IS 14267(Part 4):1995 Quick frozen vegetables: Part 4 Quick frozen beans
44	DOC.FAD 10(2110)	Draft Amendment No. 1 to IS 14703:1999 Vinegar - Specification
45	DOC.FAD 10(2111)	Draft Amendment No. 1 to IS 15088:2001 Lemon juice preserved exclusively by physical means - Specification
46	DOC.FAD 10(2112)	Draft Amendment No. 1 to IS 15089:2002 Pineapple juice preserved exclusively by physical means - Specification
47	DOC.FAD 10(2113)	Draft Amendment No. 1 to IS 15095:2002 Concentrated pineapple juice preserved exclusively by physical means - Specification
48	DOC.FAD 10(2114)	Draft Amendment No. 1 to IS 15273:2003 Concentrated orange juice preserved exclusively by physical means - Specification
49	DOC.FAD 10(2115)	Draft Amendment No. 1 to IS 15688:2006 Canned bamboo shoot - Specification
50	DOC.FAD 10(2116)	Draft Amendment No. 1 to IS 15689:2006 Bamboo shoot in brine - Specification
51	DOC.FAD 10(2117)	Draft Amendment No. 1 to IS 15690:2006 Dry salted bamboo shoot - Specification
52	DOC.FAD 10(2118)	Draft Amendment No. 1 to IS 15698:2006 Dehydrated bamboo shoot - Specification
53	DOC.FAD 10(2125)	Draft Indian Standard - Potatoes - Storage in the open (in clamps) (Adoption of ISO 5525:1986)
54	DOC.FAD 10(2128)	Draft Indian Standard - Potatoes - Guidelines for storage in artificially ventilated stores (Adoption of ISO 7562:1990)
55	DOC.FAD 10(2369)	Draft Amendment No. 3 to IS 4625:1968 Specification for dehydrated carrots

**\* INDICATES STANDARDS UNDER REVISION**  
**/ INDICATES DUAL NUMBER STANDARDS**

**\*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES EQUIVALENT STANDARDS**

- |    |                  |  |
|----|------------------|--|
| 56 | DOC.FAD 10(2372) | Draft Amendment No. 1 to IS 7192:1974 Guide for storage of citrus fruits     |
| 57 | DOC.FAD 10(2373) | Draft Amendment No. 1 to IS 7730:1975 Guide for storage of pears             |
| 58 | DOC.FAD 10(2374) | Draft Amendment No. 1 to IS 9303:1979 Guide for cold storage of table grapes |

**DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

- |   |                  |   |
|---|------------------|---|
| 1 | DOC.FAD 10(2126) | Draft Indian Standard - Peanuts - Specification (Adoption of ISO 6478:1990) |
|---|------------------|---|

**DRAFT STANDARDS FORMULATED**

- |   |                  |  |
|---|------------------|--|
| 1 | DOC.FAD 10(2370) | Draft Amendment No. 5 to IS 4626:1978 Specification for dehydrated potatoes (first revision) |
| 2 | DOC.FAD 10(2564) | Draft Indian Standard - Walnuts - Specification (first revision of IS 7749)                  |
| 3 | DOC.FAD 10(2565) | Draft Indian Standard - Fruit juices and nectors - Specification                             |
| 4 | DOC.FAD 10(2638) | Draft Indian Standard - Packed Matured coconut water - Specification                         |

**ASPECT WISE REPORT**

PRODUCT	56
METHODS OF TEST	11
CODES OF PRACTICES	15
OTHERS	1
<b>TOTAL :</b>	<b>83</b>

\* INDICATES STANDARDS UNDER REVISION  
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FAD 11 AGRICULTURAL, MACHINERY AND EQUIPMENT

**SCOPE -** Machinery and Equipments used in agriculture, gardening and forestry operations (from soil preparation to harvesting)

B) Liaison with:

i) ISO/TC 23/SC 2 Common tests

ii) ISO/TC 23/SC 3 Safety and comfort of the operator

iii) ISO/TC 23/SC 4 Tractor

iv) ISO/TC 23/SC 14 Operator control, operator symbols and other displays, operator manuals

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 619:1979	Specification for Pruning and slashing knives, hooked and curved (second revision)	Mar 2009	
2	IS 789(Part 8):1991 / ISO	Agricultural tractors - Test procedure: Part 8 Engine air cleaner	Feb 2012	
3	IS 1970:1995	Crop Protection Equipment - Hand operated compression knapsack sprayer - Specification (fifth revision)	Mar 2009	1
4	IS 1971:1996	Crop Protection Equipment - Hand operated stirrup-type sprayer - Specification (fifth revision)	Mar 2012	
5	IS 1976:1976	Specification for Rotary paddy weeder, manually operated (second revision)	Mar 2009	
6	IS 2192:1998	Soil working equipment - Animal drawn mouldboard plough, fixed type - Specification (second revision)	Mar 2009	
7	IS 2559:1978	Specification for Garden rake (first revision)	Mar 2009	
8	IS 2563:1978	Specification for Hedge shears, straight-edge type (first revision)	Mar 2009	
9	IS 2565:1979	Specification for Ridger, Animal drawn (first revision)	Mar 2012	
10	IS 3062:1995	Crop Protection Equipment - Rocker sprayer - Specification (fourth revision)	Mar 2012	2
11	IS 3092:1982	Specification for Rubber draining and tapping knife (first revision)	Mar 2009	
12	IS 3093:1981	Specification for Dah, jungle cutting (first revision)	Mar 2009	
13	IS 3094:1982	Specification for Bill-hook (first revision)	Mar 2009	
14	IS 3108:1991	Forestry tools - Pruning saw - Specification (second revision)	Feb 2011	
15	IS 3122:1982	Specification for Budding and grafting knife combined (first revision)	Mar 2012	
16	IS 3327:1982	Specification for Pedal-operated paddy thresher (first revision)	Mar 2009	1

\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
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17	IS 3342:1998	Soil working equipment - Cultivators, animal drawn - Specification (second revision)	Mar 2009	
18	IS 3369:1965	Specification for Puddler, Animal drawn	Mar 2012	1
19	IS 3372:1965	Bund former, animal drawn	Mar 2009	
20	IS 3494:1978	Specification for Pruning scateur (first revision)	Mar 2009	
21	IS 3606:1998	Soil working equipment, Dischauow, Animal drawn - Specificaton (second revision)	Mar 2009	
22	IS 3652:1995	Crop Protection Equipment - Foot sprayer (fourth revision)	Feb 2011	3
23	IS 3906:1995	Crop Protection Equipment - Hand-operated knapsack sprayer, piston type - Specification (fourth revision)	Feb 2011	2
24	IS 4358:1996	Specification for Sickles (first revision)	Mar 2012	
25	IS 4366(Part 1):1985	Specification for Agricultural tillage discs: Part 1 concave type (second revision)	Feb 2011	
26	IS 4366(Part 2):1985	Specification for Agricultural tillage discs: Part 2 Flat type (second revision)	Feb 2011	
27	IS 4468(Part 1):1997	Agricultural wheeled tractors - Rear-mounted three-point linkage: Part 1 Categoies 1, 2 3 & 4 (fourth revision)	Feb 2012	
28	IS 4468(Part 2):1993 / ISO 730-2:1979	Agricultural wheeled tractors - Three-point linkage: Part 2 Category 1 N (Narrow Hitch) (third revision)	Mar 2009	
29	IS 4930:1985	Specification for Axle assembly for pneumatic wheeled animal drawn vehicles (first revision)	Mar 2009	1
30	IS 4931:1995	Agricultural tractors - Rear mounted power take off Types 1, 2 and 3 (third revision)	Mar 2009	1
31	IS 5135(Part 1):1994	Specification for Hand rotary duster: Part 1 Belly mounted type (second revision)	Mar 2009	2
32	IS 5135(Part 2):1994	Specification for Hand rotary duster: Part 2 Shoulder mounted type (first revision)	Mar 2009	1
33	IS 5994:1998	Agricultural Tractor - Test code (third revision)	Mar 2009	
34	IS 6024:1983	Specification for Guards for harvesting machines (first revision)	Mar 2009	
35	IS 6025:1982	Specification for Knife sections for harvesting machines (first revision)	Mar 2009	
36	IS 6283(Part 1):2006 / ISO 3767-1:1991	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part 1 : Common Symbols (second revision)	Mar 2009	

\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
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37	IS 6283(Part 2):2007 / ISO 3767-2:1991	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays : Part 2 Symbols for agricultural tractors and machinery (first revision)	Mar 2009	
38	IS 6284:1985	Test code for power thresher for cereals (second revision)	Mar 2009	3
39	IS 6288:1971	Test code for mouldboard ploughs	Mar 2009	
40	IS 6316:1993	Sowing Equipment - Seed-cum-fertilizer Drill - Test Code (first revision)	Mar 2009	
41	IS 6320:1985	Specification for Power thresher, Hammer mill type (first revision)	Mar 2009	
42	IS 6483:2004	Tractors and machinery for agriculture and forestry - Linch pins and spring pins - Dimensions and requirements (second revision)	Feb 2012	
43	IS 6635:1972	Specification for Tractor operated disc harrows	Feb 2011	2
44	IS 6638:1972	Specification for Tractor-mounted spring loaded cultivators	Feb 2011	4
45	IS 6690:1981	Specification for Blades for rotavator for power tillers (first revision)	Mar 2012	
46	IS 6813:2000	Sowing equipment - Seed-cum-fertilizer drill - Specification (second revision)	Feb 2011	
47	* IS 6840:1972	Code of practice for preventive maintenance of agricultural wheeled tractor	Feb 2012	
48	IS 6847:1995	Code of practice for installation of agricultural wheeled tractor (first revision)	Mar 2009	
49	IS 7201(Part 1):1987	Methods of sampling for agricultural machinery and equipment: Part 1 Hand tools and hand operated/animal drawn equipment (first revision)	Mar 2009	
50	IS 7230:1974	Specification for Plain spool for tractor operated disc harrows	Feb 2011	
51	IS 7353:1974	Specification for Blade for Tractor-Operated Terracer	Feb 2011	
52	IS 7565(Part 1):1975	Specification for Tines for tractor operated cultivators:Part 1 Rigid tines	Mar 2009	
53	IS 7565(Part 2):1988	Specification for Tines for tractor operated cultivators: Part 2 S-type tines	Mar 2009	
54	IS 7593(Part 1):1986	Specification for Power operated pneumatic sprayer-cum-duster: Part 1 Knapsack type (first revision)	Mar 2012	1
55	IS 7640:1975	Test code for disc harrows	Mar 2009	
56	IS 7927:1975	Method of field testing for manually operated paddy weeder	Mar 2009	

\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
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57	IS 8122(Part 1):1994	Test code for combine harvester-thresher: Part 1 Terminology (first revision)	Feb 2011	
58	IS 8122(Part 2):2000	Combine harvester-thresher - Test code: Part 2 Performance tests (first revision)	Feb 2011	1
59	IS 8132:1999   ISO 3600:1996	Tractors and machinery for agriculture and forestry - Powered lawn and garden equipment - Operators manuals - Content and presentation (second revision)	Mar 2009	
60	IS 8133:1983   ISO 3789:1982	Guidelines for location and operation of operator controls on agricultural tractors and machinery (first revision)	Mar 2009	2
61	IS 8213:2000	Agricultural tractor trailer - Specification (third revision)	Feb 2011	
62	IS 8213:2000	Agricultural tractor trailers - Specification	Mar 2011	
63	IS 8265:1996	Agricultural tractors - Guards for power take-off (PTO) drive-shafts (second revision)	Feb 2012	
64	IS 8480:1996	Crop Protection Equipment - Glossary of Terms (first revision)	Mar 2012	
65	IS 8548:1977	Test code for power-operated hydraulic sprayer	Mar 2009	
66	IS 9019:1979	Code of practice for installation, operation and preventive maintenance of power threshers	Feb 2011	2
67	IS 9020:2002	Power Threshers - Safety Requirements (first revision)	Mar 2012	
68	IS 9164:1979	Guide for estimating cost of farm machinery operation	Mar 2012	1
69	IS 9217:1979	Test code for agricultural discs	Feb 2011	
70	* IS 9253:2001	Guideline for field performance and haulage tests of agricultural wheeled tractors (second revision)	Feb 2012	2
71	IS 9575:1980	Power lawn mower, pedestrian-controlled cylinder (reel) type	Mar 2009	2
72	IS 9581:1980	Safety and operational requirements for pedestrian-controlled cylinder (reel) power lawn mowers	Mar 2009	
73	IS 9632:1980	Code of practice for operation and preventive maintenance of crop protection equipment	Mar 2012	
74	IS 9813:2002	Tractor-mounted blade terracers (first revision)	Mar 2012	
75	IS 9818(Part 1):1981	Glossary of terms relating to tillage and intercultivation equipment: Part 1 General terms	Mar 2009	
76	IS 9818(Part 2):1981	Glossary of terms relating to tillage and intercultivation equipment: Part 2 Terms relating to equipment	Mar 2009	
77	IS 9821:1981	Glossary of terms relating to farm transport equipment	Mar 2009	

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78	IS 9826:1981	Glossary of terms relating to harvesting and threshing equipment	Mar 2012	
79	IS 9855:1981	Glossary of terms relating to sowing, planting, fertilizers and manure application equipment	Mar 2009	
80	IS 9856:1981	Test code for potato planters	Mar 2009	
81	IS 9864:1981	Guidelines for stocking spare parts of agricultural tractors	Feb 2012	
82	IS 9869:1981	Technical requirements for power take-off pulley assembly for agricultural tractors with type 1 PTO shaft	Feb 2012	1
83	IS 9877:1981	Code of practice for installation, operation and preventive maintenance of grain combine	Feb 2011	
84	IS 9935:2002	Power tiller - Test code (second revision)	Feb 2012	
85	IS 9939:1981	Glossary of terms relating to agricultural tractors and power tillers	Feb 2012	1
86	IS 9980:1988	Guidelines for field performance and haulage tests of power tillers (first revision)	Mar 2009	
87	IS 10134:1994	Methods of tests for manually operated sprayers (first revision)	Mar 2009	1
88	IS 10225:1982	Specification for Bearing spools for tractor-operated disc harrows	Mar 2009	
89	IS 10233:1982	Specification for Tractor-operated disc ploughs	Mar 2009	
90	IS 10239:1982	Specification for Blade for tractor-operated scraper	Mar 2009	
91	IS 10254:1982	Specification for Share for animal-drawn ridger	Mar 2009	
92	IS 10273:1987	Guidelines for declaration of power and specific fuel consumption and labelling of agricultural tractors (first revision)	Mar 2009	1
93	IS 10274:1993	Agricultural wheeled tractors - Maximum travel speed - Method of determination (first revision)	Mar 2009	
94	IS 10282:1982	Cage wheel for power tillers	Mar 2009	1
95	IS 10318:2002 / ISO 5673:1993	Agricultural tractors and machinery - Power take-off drive shafts and position of power-input connection (first revision)	Feb 2012	
96	IS 10378:1982	Specification for Knife back for harvesting machines	Feb 2011	
97	IS 10683:1983	Specification for Khurpi	Mar 2009	
98	IS 10684:1983	Specification for Tree pruner	Feb 2011	

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99	IS 10691:1983	Specification for Share for tractor-operated mouldboard ploughs	Feb 2011	
100	IS 10703:1992   ISO/TR 3778:1987	Agricultural tractors - Maximum actuating forces required to operate controls (first revision)	Feb 2012	1
101	IS 10740:1983	Recommendation for operating requirement for power take-off driven implements	Mar 2009	
102	IS 10743:1983   ISO 789-6:1982	Method for determination of centre of gravity of agricultural tractors	Mar 2009	
103	IS 10747:1983	Dimensions of hitch for power tillers	Mar 2009	
104	IS 10806:2003	Trailers for Power Tillers - Specification (first revision)	Feb 2011	
105	IS 10807:1984	Axles with brakes of trailer for power tillers	Feb 2011	
106	IS 11033:1984	Specification for Animal drawn potato digger, Ridger type	Feb 2011	
107	IS 11081:1993	Agricultural tractors - Half cage wheel - Specification (first revision)	Mar 2009	1
108	IS 11082:1984	Technical requirements of agricultural tractors for wet land cultivation	Feb 2012	
109	IS 11204:1985	Specification for Sugarcane harvesting knife	Feb 2011	
110	IS 11234:1985	Test code for power thresher for groundnut	Feb 2011	
111	IS 11235:1985	Test code for groundnut digger, animal drawn	Feb 2011	1
112	IS 11269:1985	Specification for Axle assembly for conventional animal drawn vehicles	Mar 2009	
113	IS 11270:1985	Technical requirements for ring-type hitches for agricultural trailers	Mar 2009	
114	IS 11271:1985	Specification for Groundnut planter	Feb 2011	
115	IS 11272:1985	Glossary of terms relating to horticultural equipment	Feb 2011	1
116	IS 11313:2007	Hydraulic power sprayers - Specification (first revision)	Mar 2012	
117	IS 11429:1985	Methods for calibration of sprayers	Mar 2009	
118	IS 11442:1996 / ISO 5721:1989	Agricultural Tractors - Operator's Field of Vision - Test Procedures (first revision)	Feb 2012	
119	IS 11467:1985	Test code for cereal harvesting machines	Mar 2012	

\* INDICATES STANDARDS UNDER REVISION  
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120	IS 11531:1985	Test code for puddler	Feb 2011	
121	IS 11580:1986	Glossary of terms relating to forestry equipment	Mar 2009	
122	IS 11691:1986	Specification for Power thresher, spike tooth type	Mar 2009	
123	IS 11821(Part 1):1992 / ISO 3463:1989	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 1 Dynamic test (first revision)	Feb 2012	
124	IS 11821(Part 2):1992 / ISO 5700:1989	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 2 Static test (first revision)	Feb 2012	
125	IS 11822:1986	Methods of tests for spark arrester of agricultural tractors and power tillers	Feb 2012	1
126	IS 11858:1986	Handle grip for power tiller	Feb 2012	
127	IS 11859:2004	Agricultural Tractors - Turning and Clearance Diameters - Methods of Test	Feb 2012	
128	IS 11893:1986	Specification for Potato planter, semi-automatic	Mar 2012	
129	IS 11905:1986	Specification for Shaft assembly for rotavator for power tiller	Feb 2011	1
130	IS 11976:1986	Specification for Sugarcane planter semi-automatic	Mar 2012	
131	IS 12036:1995	Agricultural tractors - Test procedures - Power tests for power take off (first revision)	Mar 2009	
132	IS 12061:1994	Agricultural tractors - Braking performance - Method of test (first revision)	Mar 2009	1
133	IS 12062:1987	Method for measurement of exhaust smoke emitted by agricultural tractors	Mar 2009	1
134	IS 12161:1987	Test code for animal carts	Mar 2009	1
135	IS 12162:1987	Specification for Lifting hook	Mar 2009	
136	IS 12163:1987	Specification for Cant hook	Mar 2009	
137	IS 12164:1987	Specification for Log tongs	Mar 2009	
138	IS 12180(Part 1):2000	Tractors and machinery for agriculture and forestry - Noise measurement - Method of test : Part 1 Noise at the operator position - Survey method (first revision)	Feb 2012	1
139	IS 12180(Part 2):2000	Tractors and machinery for agriculture and forestry - Noise measurement - Method of test : Part 2 Noise emitted when in motion (first revision)	Feb 2012	

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140	IS 12191:1987	Specification for Felling wedges	Mar 2009	
141	IS 12199:1987	Specification for Pneumatic wheeled animal drawn vehicle	Mar 2009	
142	IS 12207:2008	Agricultural Tractors - Recommendations on selected performance characteristicstractors (second revision)		
143	IS 12224:1987	Method of test for hydraulic power and lifting capacity of agricultural tractors	Mar 2009	3
144	IS 12226:1995	Agricultural tractors - Power tests for drawbar - Test procedure (first revision)	Mar 2009	1
145	IS 12239(Part 1):1996 / ISO 4254-1:1989	Guide for safety and comfort of operator of agricultural tractors and power tillers : Part 1 General requirements (first revision)	Feb 2012	
146	IS 12239(Part 2):1999	Tractors and machinery for agriculture and forestry - Technical means for ensuring safety Part 2: Tractors (first revision)	Mar 2009	
147	IS 12239(Part 3):1988	Guide for safety and comfort of operator of agricultural traactors and power tillers: Part 3 Requirements relating to power tillers	Mar 2009	
148	IS 12334:1988	Specification for Tractor mounted bund former	Mar 2009	
149	IS 12337:1988	Specification for Manually operated fertilizer broadcaster	Mar 2009	1
150	IS 12343:1998	Agricultural tractors - Operators seat technical requirements (first revision)	Mar 2009	
151	IS 12362(Part 1):2007 / ISO 6489-1:2001	Agricultural vehicles - Mechanical connections between towed and towing vehicles: Part 1 Dimensions of hitch hooks (second revision)	Feb 2012	
152	IS 12362(Part 3):1994 / ISO 6489-3:1992	Agricultural vehicles - Mechanical connections on towing vehicles - Part 3: Tractor drawbar (first revision)	Mar 2009	
153	IS 12363:1988	Recommendation on track width of agricultural tractors	Mar 2009	
154	IS 12371:1988 / ISO 5670:1984	Technical requirements for single acting telescopic tipping cylinders for agricultural trailers	Mar 2009	
155	IS 12409:1988	Specification for Garden sword	Mar 2009	
156	IS 12482:1988	Methods of test for manually operated dusters	Mar 2009	1
157	IS 12627:1989	Forestry tools - Loop handles, two-men cross cut saws	Mar 2009	
158	IS 12651:1989	Forestry tools - Setting anvil for raker toothed two-men cross cut saws	Mar 2009	
159	IS 12652:1989	Forestry tools - Raker adjuster-cum-setting iron for two-men cross cut saws	Mar 2009	

\* INDICATES STANDARDS UNDER REVISION  
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\*\* INDICATES STANDARDS TO BE REVISED  
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160	IS 12653:1989	Rubber tapping tools - Coagulation tray - Specification	Mar 2009	
161	IS 12696:1989	Forestry tools - Setting pliers, bow saw blade	Mar 2009	
162	IS 12697:1989	Forestry tools - Setting hammer, raker toothed two-men cross cut saws - Specification	Mar 2009	
163	IS 12698:1989	Forestry tools - Tree marking digit set - Specification	Mar 2009	
164	IS 12703:1989	Forestry tools - Tree marking hammers - Specification	Mar 2009	
165	IS 12704:1989	Forestry tools - Wooden jointer for bow saw blade - Specification	Mar 2009	
166	IS 12917(Part 1):1990	Farm transport equipment - Conventional animal drawn vehicle Part 1 Cattle, donkey and mule	Mar 2009	1
167	IS 12917(Part 2):1991	Farm transport equipment - Conventional animal drawn vehicle Part 2 Camel	Mar 2009	
168	IS 12953:1990	Drawbar for agricultural tractors - Link type - Specification	Feb 2012	
169	IS 13064:1991	Power tillers - Installation and preventive maintenance - Guidelines	Feb 2012	
170	IS 13151:1991	Forestry Tools - Two-men Log tongs - Specification	Feb 2011	
171	IS 13373:1992	Horticultural Equipment - Grass Shear - Specification	Mar 2009	
172	IS 13374:1992	Forestry tools - Hand sapping, nursery (Kutla) - Specification	Mar 2009	
173	IS 13376:1992	Forestry tools - Debarking spud - Specification	Mar 2009	
174	IS 13377:1992	Forestry tools - SHRUB cutting knife - Specification	Mar 2009	
175	IS 13378:1992	Forestry tools - Felling lever - Specification	Mar 2009	
176	IS 13379:1992	Forestry tools - Wooden setting cat, bow saw blades - Specification	Feb 2011	
177	IS 13380:1992	Forestry tools - Hole punch, bow saw blades - Specification	Feb 2011	
178	IS 13485(Part 1):1992	Forestry tools - Stalk puller - Specification : Part 1 Light duty	Mar 2009	
179	IS 13485(Part 2):1998	Forestry tools - Stalk puller - Specification : Part 2 Heavy duty	Mar 2009	
180	IS 13539:2008	Power tillers - Recommendations on selected performance characteristics (first revision)		

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\*\* INDICATES STANDARDS TO BE REVISED  
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181	IS 13548:1992 / ISO 5008:1979	Agricultural wheeled tractors and field machinery - Measurement of whole body vibration of the operator	Feb 2012	
182	IS 13549:1992 / ISO 5676:1983	Tractors and machinery for agriculture and forestry - Hydraulic coupling - Braking circuits	Feb 2012	
183	IS 13581:1993 / ISO 5007:1990	Agricultural wheeled tractors - Operator's seat - Laboratory measurement of transmitted vibration	Mar 2009	
184	IS 13642:1993	Agricultural tractors - Silencers - Technical requirements	Mar 2009	
185	IS 13732:1993 / ISO 5675:1992	Agricultural tractors and machinery - General purpose quick-action hydraulic couplers	Mar 2009	
186	IS 13733:1993 / ISO 5669:1982	Agricultural trailers and trailed equipment - Braking cylinders - Specification	Mar 2009	
187	IS 13818:1993	Harvesting equipment - Tractor operated potato digger shakers - Test code	Mar 2009	
188	IS 13821:2000	Forestry tools - wooden filing vice - Specification	Mar 2009	
189	IS 14414:1996 / ISO 789-7:1991	Agricultural tractors - Axle power determination - Test procedures	Feb 2012	
190	IS 14459:1997	Crop Protection Equipment - Battery operated rotary atomiser disc type ULV Sprayer - Specification	Mar 2009	
191	IS 14523:1998	Forstry tools - Dibbling board - Specification	Mar 2009	
192	IS 14524:1998	Forestry tools - Dibble iron - Specification	Mar 2009	
193	IS 14525:1998	Forestry tools - Seed plucker - Specification	Mar 2009	
194	IS 14526:1998	Forestry tool - plant carrier - Specification	Mar 2009	
195	IS 14540:1998	Intercultivation Equipment - Hand hoes - Specification	Mar 2009	
196	IS 14541:1998	Forestry and plantation tools - Hoes and forks - Specification [amalgamated revision of IS 621, 13375, 13486(Pt 1), 4315]	Mar 2009	
197	IS 14683:1999	Agricultural tractors and machinery - Lighting device for travel on public roads	Mar 2009	1
198	IS 14855(Part 1):2000	Plant protection and vector control equipment - Fogging machines - Specification Part 1: Pulse-jet type thermal fogger	Feb 2011	
199	IS 14855(Part 2):2001	Plant protection and vector control equipment - Fogging machines - Specification : Part 2 Air blower type thermal fogger	Feb 2011	
200	IS 14980(Part 1):2001 / ISO 8759-1:1998	Agricultural wheeled tractors - Front mounted equipment : Part 1 Power take-off and three point linkage	Feb 2012	

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201	IS 14980(Part 2):2001 / ISO 8759-2:1998	Agricultural Wheeled Tractors - Front-mounted Equipment : Part 2 Stationary Equipment Connections	Feb 2012
202	IS 15805(Part 1):2008	Straw reaper - combine - Test code: Part 1 Terminology	
203	IS 15805(Part 2):2008	Straw reaper-combine - Test code: Part 2 Performance tests	
204	IS 15806:2008	Combine-harvester-thresher - Selected performance and other characteristics - Recommendations	
205	IS 15918:2011	Equipment for crop protection - Sprayers - Connection Threading (Adoption of ISO 4102:1984)	
206	IS 15919:2000	Draft Indian Standard - Equipment for crop protection - Test method for air assisted sprayers for bush and tree crops	
207	IS 15920:2000	Equipment for crop protection -Sprayers nozzles- colour coding identification	
208	IS 15921:2011	Equipment for crop protection - Air assisted Sprayers - Dimension of nozzle, swivel nuts (Adoption of ISO 14710:1996)	
209	IS 15923(Part 1):2011	Equipment for crop protection - Drift classification of spraying equipment: Part 1 Classes (Adoption of ISO 22369-1:2006)	
210	IS 15924:2011	Equipment for crop protection - Methods for field measurement of spray drift (Adoption of ISO 22866:2005)	
211	IS 15925:2012	Walk behind powered rotary tillers - Definitions, safety requirements and test procedures	

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 11(2328)	Draft Indian standard- Agricultural tractors- Recommendations on selected performance characteristics (Third revision)	
2	DOC.FAD 11(2336)	Draft Amendment No. 2 to IS 10273:1987 Guidelines for declaration of power and specific fuel consumption and labelling of agricultural tractors (first revision)	2
3	DOC.FAD 11(1984)	Draft Indian Standard - Tractors and Machinery for Agriculture and forestry - Technical means for ensuring safety: Part 6 Equipment for crop protection (Adoption of ISO 4254-6:1995)	
4	DOC.FAD 11(2129)	Draft Indian Standard - Code of practice for preventive maintenance of agricultural wheeled tractor (first revision of IS 6840)	
5	DOC.FAD 11(2130)	Draft Indian Standard - Guideline for field performance and haulage tests of agricultural wheeled tractors (third revision of IS 9253)	

#### **DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 11(2345)	Draft Amendment No 2 to IS 7593 (Part 1) Specification for Power operated pneumatic sprayer- cum-duster: Part 1 Knapsack type (first revision)	
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*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

2 DOC.FAD 11(2346) Draft Amendment No. 1 to IS 11313:2007 Hydraulic power sprayers - Specification (first revision)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1 DOC.FAD 11(2478) Draft Indian Standard-Agricultural Tractors and Machinery — Power Take-Off Drive Shafts and Power-Input Connection-Part 1: General Manufacturing and Safety Requirements (Second revision of IS 10318) (Adoption of ISO 5673-1:2005)

2 DOC.FAD 11(2479) Draft Indian Standard- Agricultural Tractors and Machinery — Power Take-Off Drive Shafts and Power-Input Connection- Part 2: Specification for use of pto Drive Shafts, and position and clearance of PTO drive line and pic for various attachments

3 DOC.FAD 11(2480) Draft Indian Standard- Tractors for Agriculture and Forestry- Roll Over Protective Structures (ROPS) Part 1-Dynamic Test Method and Acceptance Conditions [Second revision of IS 11821(part 1)] (Adoption of ISO 3463:2006)

4 DOC.FAD 11(2483) Draft Indian Standard-Agricultural Vehicles- Mechanical Connections between Towed and Towing Vehicles- Part 3 Tractor Drawbar [(Second revision of IS 12362 (Part 3)] (Adoption of ISO 6489-3:2004)

5 DOC.FAD 11(2484) Draft Indian Standard- Agricultural Wheeled Tractors and Field Machinery- Measurement of whole – body vibration of the operator (First revision of IS 13548) (Adoption of ISO 5008:2002)

6 DOC.FAD 11(2485) Draft Indian Standard- Agricultural Wheeled Tractors — Operator Seat- Laboratory Measurement of Transmitted Vibration (First revision of IS 13581) (Adoption of ISO 5007:2003)

7 DOC.FAD 11(2486) Draft Indian Standard-Agricultural Tractors and Machinery -General Purpose Quick-Action Hydraulic Couplers (First Revision of IS 13732) (Adoption of ISO 5675:2008)

8 DOC.FAD 11(2566) Draft Indian Standard - Combine Harvester-Thresher- Recommendations on Selected Performance and other Characteristics (First Revision of IS 15806:2008)

9 DOC.FAD 11(2566) Draft Indian Standard - Combine Harvester-Thresher- Recommendations on Selected Performance and other Characteristics (First revision of IS 15806:2008)

10 DOC.FAD 11(2567) Draft Indian Standard- Test Code for Cotton Picker Part 1: Terminology

11 DOC.FAD 11(2568) Draft Indian Standard- Test Code for Cotton Picker- Part 2:Performance Tests

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

**ASPECT WISE REPORT**

PRODUCT	133
METHODS OF TEST	44
CODES OF PRACTICES	13
TERMINOLOGY	10
DIMENSIONS	1
SYMBOLS	2
OTHERS	8
<b>TOTAL : 211</b>	

*\* INDICATES STANDARDS UNDER REVISION*

*/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED*

*| INDICATES EQUIVALENT STANDARDS*

FAD 12 FISH, FISHERIES AND AQUACUTURE

**SCOPE -** A) Fresh and processed fish, fisheries and aquaculture products including fish feed.

B) Fisheries and Aquaculture, including, but not limited to, terminology, technical specifications for equipment and for their operation, characterization of aquaculture sites and maintenance of appropriate physical, chemical, and biological conditions, environmental monitoring, data reporting, traceability and waste disposal.

C) Physical, chemical, microbiological and organoleptic methods of test pertaining to this committee

D) Liaison with:

i) ISO/TC 234 Fisheries and Aquaculture

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 2168:1971	Specification for Pomfret canned in oil (first revision)	Jan 2011	
2	IS 2236:1968	Specification for Prawns/shrimp canned in brine (first revision)	Jan 2011	
3	IS 2237:1997	Prawns (Shrimps) - Frozen - Specification (third revision)	Sep 2013	1
4	IS 3336:1965	Specification for Shark liver oil for veterinary use	Jan 2011	
5	* IS 3892:1975	Specification for Frozen lobster tails (first revision)	Jan 2011	1
6	IS 4304:1976	Specification for Tuna canned in oil (first revision)	Jan 2011	1
7	IS 4780:1978	Specification for Pomfret, fresh (first revision)	Jan 2011	
8	IS 4793:1997	Whole Pomfret - Frozen - Specification (second revision)	Jan 2011	
9	IS 5734:1970	Specification for Sardine oil	Jan 2011	1
10	IS 6121:1985	Specification for LACTARIUS sp canned in oil (first revision)	Mar 2009	
11	IS 6122:1997	Seer Fish (Scomberomorus Sp.) - Frozen - Specification (first revision)	Sep 2013	
12	IS 6123:1971	Specification for Seer Fish (scomberomorus spp.), Fresh	Jan 2011	
13	IS 7143:1973	Specification for Crab meat, canned in brine	Jan 2011	1
14	IS 7313:1974	Glossary of important fish species of India	Jan 2011	
15	IS 7582:1975	Specification for Crab meat, solid packed	Jan 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



16	* IS 8076:2000	Frozen Cuttle Fish and Squid - Specification (first revision)	Jan 2011	1
17	IS 9808:1981	Specification for Fish protein concentrate	Jan 2011	
18	IS 10059:1981	Specification for Edible fish powder	Jan 2011	
19	IS 10760:1983	Specification for Mussels canned in oil	Jan 2011	
20	IS 10762:1983	Specification for TUNA canned in curry	Jan 2011	
21	IS 10763:1983	Specification for Frozen minced fish meat	Jan 2011	
22	IS 11427:2001	Fish and Fishery Products - Sampling (first revision)	Sep 2013	
23	IS 14513:1998	Beche-de-mur - Specification	Mar 2009	
24	IS 14514:1998	Clam meat - Frozen - Specification	Sep 2013	
25	IS 14515:1998	Fish Pickles - Specification	Sep 2013	
26	IS 14516:1998	Cured fish and fisheries products - Processing and storage - Code of Practice	Sep 2013	
27	IS 14517:1998	Fish Processing Industry - Water and Ice - Technical Requirements	Sep 2013	
28	* IS 14520:1998	Fish Industry - Operational cleanliness and layout of market - Guidelines (Amalgamated Revisio of IS 5735, 7581 and 8082)	Sep 2013	
29	IS 14890:2001	Sardines - Fresh, Frozen and Canned - Specification (Amalgamated revision of IS 2421; 6677; 8652; 8653; 97 50 and 10761)	Sep 2013	
30	IS 14891:2001	Mackerel - Fresh, Frozen and Canned - Specification (Amalgamated revision of IS 2420; 3849;6032; 6033; 9312)	Sep 2013	
31	IS 14892:2001	Threadfin - Fresh and Frozen - Specification (Amalgamated revision of IS 4781 and 4796)	Sep 2013	
32	IS 14949:2001	Accelerated freeze dried prawn (Shrimp) - Specification	Sep 2013	
33	IS 14950:2001	Fish - Dried and dry-salted - Specification (Amalgamated revision of IS 2345,2883, 2884, 3850, 3851, 3852, 3853, 4302, 5198, 5199, 5471, 5472, 5736, 8836)	Sep 2013	

**FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 12(2337)	Draft Indian Standard - Fish Feed - CARP FEEDS - Specification
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\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

2	DOC.FAD 12(2338)	Draft Indian Standard - Fish Feed - CATFISH FEEDS - Specification
3	DOC.FAD 12(2339)	Draft Indian Standard - FISH FEED - Marine Shrimp Feed - Specification
4	DOC.FAD 12(2340)	Draft Indian Standard - FISH FEED - Freshwater Prawn ( <i>Macrobrachium rosenbergii</i> ) Feed - Specification
5	DOC.FAD 12(2444)	Draft Indian Standard-Microbiology of Food and Animal Feeding Stuffs-Preparation of test samples, initial suspension and decimal dilutions for microbiological examination-Specific rules for the preparation of fish and fishery products
6	DOC.FAD 12(2445)	Draft Indian Standard- Traceability of finfish products-Specification of the information to be recorded in captured finfish distribution chains (Adoption of ISO 12875:2011)
7	DOC.FAD 12(2446)	Draft Indian Standards- Traceability of finfish products-Specification on the information to be recorded in farmed finfish distribution chains (Adoption of ISO 12877:2011)

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 12(2266)	Draft Amendment No. 1 to IS 2168 : 1971 Specification for pomfret canned in oil (first revision)
2	DOC.FAD 12(2267)	Draft Amendment No. 1 to IS 2236 : 1968 Specification for prawns/shrimp canned in brine(first revision)
3	DOC.FAD 12(2268)	Draft Amendment No. 2 to IS 2237 : 1997 Prawns (shrimp) -frozen - Specification (third revision)
4	DOC.FAD 12(2270)	Draft Amendment No. 1 to IS 3336 : 1965 Specification for shark liver oil for veterinary use
5	DOC.FAD 12(2271)	Draft Amendment No. 2 to IS 3892 : 1975 Specification for frozen lobster tails (first revision)
6	DOC.FAD 12(2272)	Draft Amendment No. 2 to IS 4304 : 1976 Specification for Tuna canned in oil (first revision)
7	DOC.FAD 12(2273)	Draft Amendment No. 1 to IS 4780 : 1978 Specification for pomfret, fresh (first revision)
8	DOC.FAD 12(2274)	Draft Amendment No. 1 to IS 4793 : 1997 whole pomfret - frozen - specification (second revision)
9	DOC.FAD 12(2275)	Draft Amendment No. 2 to IS 5734 : 1970 Specification for Sardine oil
10	DOC.FAD 12(2276)	Draft Amendment No. 1 to IS 6121 : 1985 Specification for lactarius SP canned in oil (first revision)
11	DOC.FAD 12(2277)	Draft Amendment No. 1 to IS 6122 : 1997 Seer fish ( <i>Somberomorus</i> SP) - frozen - Specification (first revision)

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

12	DOC.FAD 12(2278)	Draft Amendment No. 1 to IS 6123 : 1971 Specification for seer fish (Scomberomorus spp.) - Fresh
13	DOC.FAD 12(2279)	Draft Amendment No. 2 to IS 7143 : 1973 Specification for crab meat canned in brine
14	DOC.FAD 12(2280)	Draft Amendment No. 1 to IS 7582:1975 Specification for crab meat, solid packed
15	DOC.FAD 12(2281)	Draft Amendment No. 2 to IS 8076:2000 Frozen cuttle fish and squid - Specification (first revision)
16	DOC.FAD 12(2282)	Draft Amendment No. 1 to IS 9808:1981 Specification for fish protein concentrate
17	DOC.FAD 12(2283)	Draft Amendment No. 1 to IS 10059:1981 Specification for Edible fish powder
18	DOC.FAD 12(2284)	Draft Amendment No. 1 to IS 10760:1983 Specification for Mussels canned in oil
19	DOC.FAD 12(2285)	Draft Amendment No. 1 to IS 10762:1983 Specification for Tuna canned in curry
20	DOC.FAD 12(2286)	Draft Amendment No. 1 to IS 10763:1983 Specification for frozen minced fish meat
21	DOC.FAD 12(2287)	Draft Amendment No. 1 to IS 14513:1998 Beche-de- mer - Specification
22	DOC.FAD 12(2288)	Draft Amendment No. 1 to IS 14514:1998 Clam meat - frozen - Specification
23	DOC.FAD 12(2289)	Draft Amendment No. 1 to IS 14515:1998 Fish pickle - Specification
24	DOC.FAD 12(2290)	Draft Amendment No. 1 to IS 14890:2001 Sardines - fresh, frozen and canned - Specification
25	DOC.FAD 12(2300)	Draft Amendment No. 1 to IS 14891:2001 Mackerel - Fresh, frozen and canned - Specification
26	DOC.FAD 12(2301)	Draft Amendment No. 1 to IS 14892:2000 Threadfin - Fresh and frozen - Specification
27	DOC.FAD 12(2302)	Draft Amendment No. 1 to IS 14949:2001 Accelerated freeze dried prawns (shrimps) - Specification
28	DOC.FAD 12(2303)	Draft Amendment No. 1 to IS 14950:2001 Fish - dried and dry -salted - Specification
29	DOC.FAD 12(2468)	Draft Indian Standard - Guidelines for the sensory evaluation of fish & shell fish in laboratories
30	DOC.FAD 12(2469)	Draft Indian Standard - Specification for frozen lobsters (second revision of IS 3892)
31	DOC.FAD 12(2470)	Draft Indian Standard - Specification for frozen cuttle fish & squid (second revision of IS 8076)

*\* INDICATES STANDARDS UNDER REVISION*  
*/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES EQUIVALENT STANDARDS*

## DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION

- 1        DOC.FAD 12(2471)                      Draft Indian Standard - Fish Industry - Operational cleanliness and layout of market guidelines (first revision of IS 14520)

### ASPECT WISE REPORT

PRODUCT	29
CODES OF PRACTICES	2
TERMINOLOGY	1
OTHERS	1
<b>TOTAL :</b>	<b>33</b>

*\* INDICATES STANDARDS UNDER REVISION*  
*/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED*  
*| INDICATES EQUIVALENT STANDARDS*

FAD 13 OILS AND OILSEEDS

**SCOPE -** To formulate Indian Standards for terminology, methods of sampling and test, codes of practice for handling, storage and packaging and specifications for oleaginous seeds and fruits, oils and fats (including animal fats and marine oils but excluding oils covered by other Sectional Committees), fatty acids, vegetable tallow and bleaching earths.

Liaison with i) ISO/TC 34/SC 2 Oleaginous Seeds and Fruits; and  
ii) ISO/TC 34/SC 11 Animal and Vegetable Fats and Oils

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 75:1973	Specification for Linseed oil, raw and refined (second revision)	Mar 2011	4
2	* IS 435:1973	Specification for Castor oil (second revision)	Mar 2011	4
3	* IS 542:1968	Specification for Coconut oil (second revision)	Dec 2013	4
4	* IS 543:1968	Specification for Cottonseed oil (second revision)	Dec 2013	6
5	* IS 544:1968	Specification for Groundnut oil (second revision)	Dec 2013	4
6	* IS 545:1984	Specification for MAHUA oil (third revision)	Dec 2013	3
7	* IS 546:1975	Specification for Mustard oil (second revision)	Dec 2013	6
8	* IS 547:1968	Specification for Sesame oil (second revision)	Dec 2013	5
9	IS 548(Part 1):1964	Methods of sampling and test for oils and facts: Part 1 Methods of sampling, physical and chemical tests	Mar 2011	5
10	IS 548(Part 2):1976	Methods of sampling and test for oils and fats: Part 2 Purity tests (third revision)	Mar 2011	7
11	IS 548(Part 2/Sec 9):1988	Methods of sampling and test for oils and fats: Part 2 Purity tests Sec 9 Test for presence of Karanja (Pungam) oils in other oils (fourth revision)	Mar 2011	
12	IS 548(Part 2/Sec 20):1983	Methods of sampling and test for oils and fats: Part 2 Purity tests Sec 20 Test for detection of Taramira oil in mustard/rapseed oil	Mar 2011	
13	IS 548(Part 2/Sec 21):1988	Methods of sampling and test for oils and fats: Part 2 Purity tests: Sec 21 Test for detection of animals fat in vegetable oils and fats and vice-versa by GLC(fourth revision)	Mar 2011	
14	IS 548(Part 2/Sec 22):1993	Methods of sampling and test for oils and fats: Part 2 Purity test - Section 22 Detection of tricresyl phosphate in edible oil	Dec 2013	
15	IS 548(Part 3):1976	Methods of sampling and test for oils and fats: Part 3 Analysis by gas liquid chromatography	Feb 2012	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

16	IS 595:1954	Specification for Blown rape (or mustard) oil for use in lubricants	Dec 2013	2
17	IS 887:1977	Specification for Animal tallow (second revision)	Mar 2011	
18	IS 1035:1972	Methods of sampling and test for bleaching earths (second revision)	Mar 2011	1
19	IS 1675:1971	Specification for Stearic acid, technical (first revision)	Dec 2013	1
20	IS 1676:1960	Specification for Oleic acid, technical	Dec 2013	2
21	IS 1780:1961	Specification for Vegetable tallow	Mar 2011	1
22	IS 1965:1972	Specification for Bleaching earths of Indian origin used for bleaching vegetable oils (first revision)	Dec 2013	
23	* IS 3448:1984	Specification for Rice bran oil (second revision)	Mar 2011	3
24	* IS 3490:1965	Specification for Nigerseed oil	Dec 2013	4
25	* IS 3491:1965	Specification for Safflower oil	Dec 2013	5
26	IS 3492:1965	Specification for KARANJA oil	Dec 2013	1
27	IS 3579:1966	Methods of test for oilseeds	Mar 2011	1
28	* IS 4055:1966	Specification for Maize (corn) oil	Dec 2013	5
29	IS 4088:1966	Specification for KUSUM oil	Dec 2013	2
30	IS 4115:1967	Methods for sampling of oilseeds	Mar 2011	
31	* IS 4276:1977	Specification for Soybean oil (first revision)	Mar 2011	3
32	* IS 4277:1975	Specification for Sunflower oil (first revision)	Mar 2011	4
33	IS 4765:1975	Specification for NEEM kernel oil and depulped NEEM seed oil (first revision)	Dec 2013	1
34	IS 5614:1980	Specification for Tobacco seed oil (first revision)	Dec 2013	
35	IS 5637:1970	Specification for Watermelon seed oil	Dec 2013	2
36	IS 5638:1970	Specification for Acid oil (cottonseed and groundnut)	Mar 2011	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

37	IS 5686:1970	Code of practice for handling and storage of oilseeds	Mar 2011	
38	IS 7375:1979	Specification for Salseed fat (first revision)	Dec 2013	2
39	* IS 8323:1977	Specification for Palm oil	Mar 2011	3
40	* IS 8361:1977	Specification for Palmolein	Mar 2011	3
41	IS 8591:1980	Specification for KOKUM fat (first revision)	Dec 2013	2
42	IS 8879:1980	Specification for DHUPA fat (first revision)	Dec 2013	2
43	IS 8881:1978	Specification for KHAKAN fat	Mar 2011	
44	IS 8896:1978	Specification for NAHOR oil	Mar 2011	
45	IS 9037:1979	Specification for Peanut butter	Mar 2011	
46	IS 9231:1979	Specification for Mango kernel fat	Dec 2013	2
47	IS 9232:1979	Specification for Ambadi oil	Mar 2011	
48	IS 9586:1980	Specification for Silk-worm pupae oil	Dec 2013	
49	IS 9587:1980	Specification for Tamarind kernel oil	Dec 2013	
50	IS 9955:1981	Specification for Rubber seed oil	Dec 2013	
51	IS 9956:1981	Specification for PALAS oil	Dec 2013	
52	IS 9957:1981	Specification for UNDI oil	Dec 2013	
53	* IS 10633:1999	Vanaspati - Specification (second revision)	Dec 2013	
54	IS 10634:1983	Specification for Bakery shortening (first revision)	Dec 2013	1
55	IS 10931:1984	Specification for Lauric acid	Mar 2011	
56	IS 10932:1984	Specification for Palmitic acid	Mar 2011	
57	IS 10933:1984	Specification for Myristic acid	Mar 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

58	IS 11068:1984	Criteria for edibility of oils and fats	Mar 2011	
59	* IS 11069:1984	Refined, bleached, hydrogenated, winterized and deodorized (RBHWD) Soybean oil	Mar 2011	2
60	IS 11476:1985	Glossary of terms relating to oils and fats	Mar 2011	
61	IS 11674:1986	Method for determination of residual solvent in oilseed flours and meals by modified Pensky Martens closed tester	Mar 2011	
62	IS 12029:1986	Specification for Acid oil	Dec 2013	
63	IS 12067:1987	Specification for Palm fatty acids	Dec 2013	
64	IS 12068:1987	Specification for Rice bran fatty acids	Dec 2013	
65	IS 12069:1987	Specification for Coconut fatty acids	Dec 2013	
66	IS 12124:1987	Specification for Rubberseed fatty acids	Dec 2013	
67	IS 12361:1988	Specification for Partially hydrogenated rice bran fatty acids	Feb 2012	
68	IS 12451:1988	Specification for Margarine	Dec 2013	2
69	IS 12983:1990 / ISO 8892:1987	Oilseed residues - Determination of total residual hexane	Dec 2013	
70	IS 13037:1991	Chilli seed oil - Specification	Dec 2013	2
71	IS 13168:1991	Tomato seed oil - Specification	Dec 2013	1
72	IS 13660:1993	Musk melon seed oil - Specification	Dec 2013	
73	IS 13661:1993	RATANJYOT oil - Specification	Dec 2013	
74	IS 13679:1993	Okra seed oil - Specification	Dec 2013	
75	IS 13680:1993	Imported rapeseed oil - Specification	Dec 2013	2
76	IS 14309:1995	Blended edible vegetable oils - Specification	Mar 2011	

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 13(2429)	Draft Indian Standard - Specification for Groundnut oil (Third Revision of IS 544)		
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\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



2	DOC.FAD 13(2430)	Draft Indian Standard - Specification for mustard oil (third revision of IS 546)
3	DOC.FAD 13(2431)	Draft Indian Standard - Specification for rice bran oil (third revision of IS 3448)
4	DOC.FAD 13(2432)	Draft Indian Standard - Specification for soybean oil (second revision of IS 4276)
5	DOC.FAD 13(2433)	Draft Indian Standard - Specification for sunflower oil (second revision of IS 4277)
6	DOC.FAD 13(2434)	Draft Indian Standard - Specification for palmolein (first revision of IS 8361)
7	DOC.FAD 13(2504)	Draft Amendment No. 6 to IS 548(Part 1):1954 Methods of sampling and test for oils and fats: Part 1 Methods of sampling, physical and chemical tests (Revised)
8	DOC.FAD 13(2539)	Draft Indian Standard - Animal and Vegetable fats and oils - Determination of ultraviolet absorbance expressed as specific UV extinction (Adoption of ISO 3656:2011)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 13(2505)	Draft Indian Standard - Olive oil - Specification
2	DOC.FAD 13(2625)	Draft Indian Standard - Linseed oil - Specification (third revision of IS 75)
3	DOC.FAD 13(2626)	Draft Indian Standard - Castor oil - Specification (third revision of IS 435)
4	DOC.FAD 13(2627)	Draft Indian Standard - Coconut oil - Specification (third revision of IS 542)
5	DOC.FAD 13(2628)	Draft Indian Standard - Cottonseed oil - Specification (third revision of IS 543)
6	DOC.FAD 13(2629)	Draft Indian Standard - Mahua oil - Specification (fourth revision of IS 545)
7	DOC.FAD 13(2630)	Draft Indian Standard - Sesame oil - Specification (third revision of IS 547)
8	DOC.FAD 13(2631)	Draft Indian Standard - Nigerseed oil - Specification (first revision of IS 3490)
9	DOC.FAD 13(2632)	Draft Indian Standard - Safflower seed oil - Specification (first revisio of IS 3491)
10	DOC.FAD 13(2633)	Draft Indian Standard - Maize (corn) oil - Specification (first revision of IS 4055)
11	DOC.FAD 13(2634)	Draft Indian Standard - Palm oil - Specification (first revision of IS 8323)
12	DOC.FAD 13(2635)	Draft Indian Standard - VANASPATI - Specification (third revision of IS 10633)

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

13 DOC.FAD 13(2636)

Draft Indian Standard - Refined, bleached,  
hydrogenated, winterized and deodorized (RBHWD)  
Soybean oil - Specification (first revision of IS 11609)

**ASPECT WISE REPORT**

PRODUCT	61
METHODS OF TEST	11
CODES OF PRACTICES	1
TERMINOLOGY	1
OTHERS	2
<b>TOTAL :</b>	<b>76</b>

*\* INDICATES STANDARDS UNDER REVISION*  
*/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED*  
*| INDICATES EQUIVALENT STANDARDS*

FAD 14 DRINKS AND DRINKING WATER

- SCOPE -** A) Alcoholic and non-alcoholic drinks, carbonated beverages ;  
 B) Drinking water, packaged or supplied in unpackaged form through organized water supply.  
 C) Water used in any food processing industry for the manufacture, processing, preservation, or marketing of products or substances intended for human consumption  
 D) Physical and chemical methods of test pertaining to this committee including microbiological aspects  
 E) General methodology for sensory evaluation including nutritional aspects.

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 2346:1992	Carbonated beverages - Specification (second revision)	Aug 2009	3
2	IS 3752:2005	Alcoholic drinks - Methods of test (second revision)	Aug 2009	
3	IS 3753:1984	Methods of sampling for alcoholic drinks (first revision)	Mar 2013	
4	IS 3811:2005	Alcoholic drinks - Rum - Specification (third revision)	Aug 2009	1
5	IS 3865:2001	Beer - Specification (third revision)	Mar 2013	1
6	IS 3957:1966	Quality tolerances for water for ice manufacture	Sep 2009	2
7	IS 4100:2005	Alcoholic drinks - Gin - Specification (second revision)	Aug 2009	1
8	IS 4251:1967	Quality tolerances for water for processed food	Sep 2009	2
9	IS 4449:2005	Alcoholic drinks - Whiskies - Specification (fourth revision)	Aug 2009	1
10	IS 4450:2005	Alcoholic drinks - Brandies - Specification (third revision)	Aug 2009	1
11	IS 5286:2005	Alcoholic drinks - Vodka - Specification (second revision)	Aug 2009	1
12	IS 5287:2005	Alcoholic drinks - Country spirit (distilled) - Specification (third revision)	Aug 2009	1
13	IS 6613:2002	Natural spirit for alcoholic drinks - Specification (first revision)	May 2010	1
14	IS 7058:2005	Table wines - Specification (second revision)	May 2010	1
15	IS 7585:1995	Wines - Methods of analysis (first revision)	Mar 2013	

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

16	IS 7675:1975	Method for sensory evaluation of beer	Mar 2013	
17	IS 8140:1976	Guide for selection of panel for sensory evaluation of foods and beverages	Mar 2013	
18	IS 8538:2004	Alcoholic drinks - Toddy - Specification (second revision)	Mar 2013	1
19	IS 8639:1977	Code for evaluation of effect of packaging and storage on the sensory qualities of food and beverages	Mar 2013	
20	IS 10500:2012	Drinking water - Specification (second revision )		
21	IS 10642:1983	General guidance for consumer sensory evaluation of foods and beverages	May 2010	
22	IS 11583:1986	Method for sensory evaluation of Indian made foreign liquors (IMFL)	Mar 2013	
23	IS 12544:1988	Carbonated beverages - Non-alcoholic beer - Specification	Mar 2013	1
24	IS 13019:1991	Soft drink concentrate [Earlier title - Non-alcoholic beverage bases (concentrates) for domestic use] - Specification	Mar 2013	3
25	IS 13428:2005	Packaged Natural Mineral Water - Specification (second revision)	Aug 2009	4
26	IS 14326:2005	Cashew fenny - Specification (first revision)	Aug 2009	1
27	IS 14327:2005	Coconut fenny - Specification (first revision)	Aug 2009	1
28	IS 14398:2005	Fortified wines - Specification (first revision)	Aug 2009	1
29	IS 14543:2004	Packaged drinking water (other than natural mineral water) - Specification (first revision)	Mar 2013	7
30	IS 14594:1998 / ISO 3591:1977	Sensory analysis - Apparatus - Wine testing glass	Mar 2013	
31	IS 15185:2002 / ISO 9308-1:2000	Water quality - Detection and enumeration of E.coli and coliform bacteria - Membrane filtration method	Mar 2013	
32	IS 15186:2002 / ISO 7899-2:2000	Water quality - Detection and enumeration of intestinal enterococci - Membrane filtration method	Mar 2013	
33	IS 15187:2002 / ISO 6340:1995	Water quality - Detection of salmonella species	Mar 2013	
34	IS 15188:2012 / ISO 8199:2005	Water quality - General guidance on the enumeration of microorganisms by culture (first revision)		
35	IS 15302:2003	Determination of aluminium and barium by direct nitrous oxide-acetylene flame atomic absorption spectrometry	Mar 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

36	IS 15303:2003	Determination of antimony, iron and selenium in water by electrothermal atomic absorption spectrometric method	Mar 2013	
37	IS 15588:2005	Alcoholic drinks - Low alcoholic beverages	Aug 2009	1

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 14(1552)	Draft Indian Standard - Carbonated beverages - Specification (Third revision of IS 2346)		
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**ASPECT WISE REPORT**

PRODUCT	22
METHODS OF TEST	9
CODES OF PRACTICES	1
OTHERS	5
<b>TOTAL :</b>	<b>37</b>

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 15 FOOD HYGIENE, SAFETY MANAGEMENT & OTHER SYSTEMS

- SCOPE -** A) Food hygiene including codes of hygienic practices  
 B) Food safety management systems  
 C) Food Labelling  
 D) Microbiological methods of tests and specifications for ingredients used in media for microbiological work  
 E) Liaison with  
 i) ISO/TC 34 Food Products,  
 ii) ISO/TC 34/SC 9 Microbiology,  
 iii) ISO/TC 34/SC 17 Food Safety Management Systems

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 2491:2013	Food Hygiene - General Principles - Code of Practice (third revision)		
2	IS 4303(Part 1):1975	Code for hygienic conditions in fish industry: Part 1 Pre-processing stage (first revision)	Mar 2012	1
3	IS 4303(Part 2):1975	Code for hygienic conditions in fish industry: Part 2 Canning stage (first revision)	Mar 2012	1
4	IS 5059:1969	Code for hygienic conditions for large scale biscuit manufacturing units and bakery units	Dec 2013	2
5	IS 5401(Part 1):2012 / ISO 4832:2006	Microbiology of food and animal feeding stuffs - horizontal method for the detection and enumeration of coliforms: Part 1 Colony count technique (Second revision)		
6	IS 5401(Part 2):2012 / ISO 4831:2006	Microbiology of food and animal feeding stuffs - horizontal method for the detecton and enumeration of coliforms: Part 2 MPN technique (Second revision)		
7	IS 5402:2012 / ISO 4833:2003	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of micro-organisms - Colony count technique at 30 degree C (second revision)		
8	IS 5403:1999   ISO 7954:1987	Method for yeast and mould count of food stuffs and animal feeds (first revision)	Dec 2013	
9	IS 5404:1984	Methods for Drawing and Handling of Food Samples for Microbiological Analysis (first revision)	Dec 2013	
10	IS 5837:1970	Code for hygienic conditions for soft drink manufacturing units	Dec 2013	1
11	IS 5839:2000	Food hygiene - Code of practice for manufacture, storage and sale of ice-creams(first revision)	Feb 2011	
12	IS 5887(Part 1):1976	Methods for detection of bacteria responsible for food poisoning: Part 1 Isolation, identification and enumeration of ESCHERICHIA COLI (first revision)	Dec 2013	
13	IS 5887(Part 2):1976	Methods for detection of bacteria responsible for food poisoning:Part 2 Isolation, identification and enumeration of STAPHYLOCOCCUS AUREUS and faecal streptococci (First revision)	Dec 2013	

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

14	IS 5887(Part 3):1999 / ISO 6579:1993	Methods for detection of bacteria responsible for food poisoning: Part 3 General guidance on methods for detection of SALMONELLA (second revision)	Dec 2013	
15	IS 5887(Part 4):1999	Methods for detection of bacteria responsible for food poisoning : Part 4 Isolation, and identification of CLOSTRIDIUM PERFRINGENS, C.BOTULINUM and enumeration of cl. Perfringens (second revision)	Dec 2013	
16	IS 5887(Part 5):1976	Methods for detection of bacteria responsible for food poisoning :Part 5 Isolation, identification and enumeration of VIBRIO CHOLERAEE and VIBRIO PARAHAEMOLYTICUS (first revision)	Dec 2013	
17	IS 5887(Part 6):2012 / ISO 7932:2004	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of presumptive B.Cereus: Part 6 Colony count technique at 30 degree C		
18	IS 5887(Part 7):1999	Methods for detection of bacteria responsible for food poisoning: Part 7 General guidance on methods for isolation and identification of SHIGELLA	Dec 2013	
19	IS 5887(Part 8/Sec 1):2002 / ISO 6888-1:1999	Methods for detection of bacteria responsible for food poisoning: Part 8 Horizontal method for enumeration of coagulase-positive staphylococci (Staphylococcus Aureus and other species) Section 1 Technique using Baird-Parker Agar Medium	Mar 2012	1
20	IS 5887(Part 8/Sec 2):2002 / ISO 6888-2:1999	Methods for detection of bacteria responsible for food poisoning: Part 8 Horizontal method for enumeration of coagulase-positive staphylococci (Staphylococcus Aureus and other species) Section 2 Technique using rabbit plasma fibrinogen Agar Medium	Mar 2012	1
21	IS 6074:1971	Code for functional requirements of hotels, restaurants and other food service establishments (see also CED 12)	Mar 2012	2
22	IS 6540:1972	Code for hygienic conditions for manufacture and handling of ice for human consumption	Mar 2012	1
23	IS 6541:1972	Code for hygienic conditions for establishment and maintenance of mid-day school meal programmes	Mar 2012	
24	IS 6542:1972	Code for hygienic conditions for fruit and vegetable canning units	Mar 2012	1
25	IS 6850:1973	Specification for Agar, microbiological grade	Dec 2013	
26	IS 6851:1973	Specification for Meat extract, microbiological grade	Dec 2013	
27	IS 6852:1973	Specification for Bile salts, microbiological grade	Dec 2013	
28	IS 6853:1973	Specification for Peptone, microbiological grade	Dec 2013	
29	IS 6854:1973	Method of sampling and test for ingredients used in media for microbiological work	Dec 2013	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

30	IS 6968:1973	Code for hygienic condition for PAN (Betel leaf) stalls and vendors	Dec 2013	
31	IS 6969:1973	Code for hygienic conditions for handling and sale of refrigerated drinking water	Dec 2013	2
32	IS 7003:1973	Code for hygienic conditions for sago (SABOODANA) manufacturing units	Mar 2012	1
33	IS 7004:1973	Specification for Yeast extract, microbiological grade	Dec 2013	
34	IS 7005:1973	Code for hygienic conditions for production, processing transportation and distribution of milk	Mar 2012	2
35	IS 7127:1973	Specification for Tryptone, microbiological grade	Dec 2013	
36	IS 7128:1973	Specification for Proteose peptone, microbiological grade	Dec 2013	
37	IS 7203:1973	Specification for Casein hydrolysate (acid digested), microbiological grade	Dec 2013	
38	IS 7402:1996 / ISO 7402:1993	Microbiology - General guidance for the enumeration of Enterobacteriaceae without resuscitation - MPN technique and colony-count technique (first revision)	Mar 2012	
39	IS 7535:1975	Specification for Liver extract, microbiological grade	Dec 2013	
40	IS 7536:1975	Specification for Soluble starch, microbiological grade	Dec 2013	1
41	IS 7590:1975	Specification for Gelatine, microbiological grade	Dec 2013	
42	IS 7591:1975	Specification for Malt extract, microbiological grade	Dec 2013	
43	IS 7655:1975	Code of practice for food advertising	Dec 2013	1
44	IS 7688(Part 1):1975	Code of practice for labelling of pre-packaged foods: Part 1 General guidelines	Mar 2012	
45	IS 7688(Part 2):1976	Code of practice for labelling of pre-packaged foods: Part 2 Guidelines on claims	Mar 2012	
46	IS 7688(Part 3):1976	Code of practice for labelling of pre-packaged foods: Part 3 Nutritional labelling	Mar 2012	1
47	IS 7799:1975	Code for preservation of vitamins in foodstuffs	Mar 2012	
48	IS 7801:1975	Specification for Trypsin, microbiological grade	Dec 2013	
49	IS 7802:1975	Code of hygienic conditions for sweetmeat shop	Mar 2012	1
50	IS 8123:1976	Code for hygienic conditions for sale of cut fruits, fruit juice and fruit salad	Dec 2013	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



51	IS 8124:1976	Code for hygienic conditions for sale of sugar cane juice	Dec 2013	1
52	IS 8182:1976	Code for hygienic conditions for processed meat products	Mar 2012	1
53	IS 9071(Part 1):1979	Code of practice for control of aflatoxin in groundnut: Part 1 Harvesting, transport & storage of groundnuts	Dec 2013	
54	IS 9071(Part 2):1979	Code of practice for control of aflatoxin in groundnut: Part 2 Plant storage and processing flour and oil	Dec 2013	1
55	IS 10232:2003 / ISO 6887 Part 1:1999	General rules for the preparation of initial suspension and decimal dilutions for microbiological examination of foods (first revision)	Dec 2013	
56	IS 10972:1984	Code for preparation of ESCHERICHIA COLI diagnostic sera	Feb 2011	
57	IS 10973:1984	Code for hygienic conditions for food hawkers	Mar 2012	
58	IS 10974(Part 1):1984	Code for hygienic conditions for production, transport, storage and distribution of indigenous milk products: Part 1 KHOA and KHOA based sweets	Mar 2012	
59	IS 10974(Part 2):1984	Code for hygienic conditions for production, transport, storage and distribution of indigenous milk products: Part 2 DAHI	Mar 2012	
60	IS 10974(Part 3):1984	Code for hygienic condition for production, transport, storage and distribution of indigenous milk products: Part 3 Coagulated products, CHHANA and CHHANA based sweetmeats	Mar 2012	
61	IS 10974(Part 4):1984	Code for hygienic conditions for production transport, storage and distribution of indigenous milk products: Part 4 Frozen products, KULFI	Mar 2012	1
62	IS 10974(Part 5):1984	Code for hygienic conditions for production, transport, storage and distribution of indigenous milk products: Part 5 Fermented products, SHRIKHAND	Mar 2012	
63	IS 11061:1984	Code for preparation of VIBRIO CHOLERAEE diagnostic sera	Dec 2013	
64	IS 14134:1994	Code for hygienic practices for processing and handling of quick frozen foods	Dec 2013	
65	IS 14135:1994	Code for hygienic practices for dehydrated fruits and vegetables including edible fungi	Dec 2013	
66	IS 14216:1994	Code for hygienic conditions for spices and condiments processing units	Feb 2011	
67	IS 14348:1996	Code for hygienic conditions for alcoholic beverage industry	Mar 2012	
68	IS 14349:1996	Code for hygienic conditions for edible oil and vanaspati manufacturing units	Mar 2012	
69	IS 14350:1996	Code for hygienic conditions in sugar factories	Mar 2012	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

70	IS 14397:1996	Detecton, isolation and identification of pathogenic E. coli in food	Mar 2012
71	IS 14595:1998	Food Hygiene - Microbiological Criteria - Principles for Establishment and Application	Dec 2013
72	IS 14987:2001 / ISO 8914:1990	Microbiology - General guidance for detection of Vibrio Parahaemolytieus	Mar 2012
73	IS 14988(Part 1):2001 / ISO 11290-1 :1996	Microbiology of food and animal feeding stuffs - Horizontal method for detection and enumeration of Listeria monocytogenes : Part 1 Detection method	Mar 2012
74	IS 14988(Part 2):2002 / ISO 11290-2:1998	Microbiology of food and animal feeding stuffs - Horizontal method for detection and enumeration of Listeria monocytogenes : Part 2 Enumeration method	Mar 2012
75	IS 15000:2013	Food Hygiene - Hazard Analysis and Critical Control Point (HACCP) - Requirement for any organization in the food chain (first revision).	
76	IS 15176:2002	Food hygiene - Microbiological risk assessment - Principles and guidelines for the conduct	Mar 2012
77	IS 16019:2012	Food retail management - Basic requirements	
78	IS 16020:2012	Food safety management - Requirements for good hygiene practices	
79	IS 16021:2012	Good manufacturing practices (GMP) - Requirements for organizations in the food processing sector	
80	IS 16066:2012	Street food Vendors - Food Safety requirements	
81	IS 16067(Part 1):2013 / ISO 16649-1:2001	Microbiology of food & animal feeding stuffs - Horizontal method for enumeration of beta-glucuronidase-positive E. coli:Pt 1: Colony count technique at 44C using membranes & 5-bromo-4chloro-3-indolyl beta-d-glucuronide	
82	IS 16068:2013 / ISO 15214:1998	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of mesophilic lactic acid bacteria-Colony-count technique at 30 <sup>o</sup> C	
83	IS 16069(Part 1):2013 / ISO 21527-1:2008	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds:Part 1:Colony count technique in products with water activity greater than 0.95	
84	IS 16069(Part 2):2013 / ISO 21527-2:2008	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds:Part 2 :Colony count technique in products with water activity less than or equal to 0.95	
85	IS 16122:2013 / ISO 7218:2007	Microbiology of food and animal feeding stuffs - General requirements and guidance for microbiological examinations	
86	IS 22000:2005 / ISO 22000:2005	Food safety management systems - Requirements for any organization in the food chain	Mar 2012
87	IS 22002(Part 1):2009 / ISO/TS	Prerequisite programmes on food safety - Part 1: Food manufacturing	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

88	IS 22003:2007 / ISO/TS	Food safety management systems - Requirements for bodies providing audit and certification of food safety management systems	Mar 2012
89	IS 22004:2005 / ISO/TS	Food safety management systems - Guidance on the application of ISO 22000:2005	Mar 2012
90	IS 22005:2007 / ISO	Traceability in the feed and food chain - General principles and basic requirements for system design and implementation	
91	IS 22006:2009 / ISO	Quality management systems - Guidelines for the application of ISO 9001:2008 in crop production	

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 15(2546)	Draft Indian Standard Methods for detection of bacteria responsible for food poisoning – Part 8 : Horizontal method for enumeration of coagulase-positive staphylococci (Staphy- lococcus aureus and other species), section 3 Detection and MPN technique
2	DOC.FAD 15(2547)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Horizontal method for the detection and enumeration of presumptive Escherichia coli -- Most probable number technique (adoption of ISO 7251:2005)
3	DOC.FAD 15(2548)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Horizontal method for the enumeration of Clostridium perfringens -- Colony-count technique (adoption of ISO 7937:2004)
4	DOC.FAD 15(2549)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Horizontal method for the detection of Escherichia coli O157 (adoption of ISO 16654:2001)
5	DOC.FAD 15(2550)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Polymerase chain reaction (PCR) for the detection of food-borne pathogens -- Requirements for sample preparation for qualitative detection (adoption of ISO 20837:2006)
6	DOC.FAD 15(2551)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Polymerase chain reaction (PCR) for the detection of food-borne pathogens -- Requirements for amplification and detection for qualitative methods (adoption of ISO 20838:2006)
7	DOC.FAD 15(2552)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Horizontal method for the detection of Shigella spp. (adoption of ISO 21567:2004)
8	DOC.FAD 15(2553)	Draft Indian Standard - Microbiology of food and animal feeding stuffs — Horizontal method for the detection of potentially enteropathogenic Vibrio spp. — Part 1: Detection of Vibrio parahaemolyticus and Vibrio cholera (First Revision of IS 14987)
9	DOC.FAD 15(2554)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Determination of water activity (adoption of ISO 21807:2004)

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

10	DOC.FAD 15(2555)	Draft Indian Standard - Microbiology of food and animal feeding stuffs - Horizontal method for the determination of low numbers of presuptive Bacillus cereus-Most probabale number technique and detection method (adoption of ISO 21871:2006)
11	DOC.FAD 15(2556)	Draft Indian Standard - Prerequisite programmes on food safety--Part 3:Farming (adoption of ISO/TS22002-3:2011)
12	DOC.FAD 15(2557)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Polymerase chain reaction (PCR) for the detection and quantification of food-borne pathogens -- Performance characteristics (adoption of ISO 22118:2011)
13	DOC.FAD 15(2558)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Real-time polymerase chain reaction (PCR) for the detection of food-borne pathogens -- General requirements and definitions (adoption of ISO 22119:2011)
14	DOC.FAD 15(2559)	Draft Indian Standard - Microbiology of food and animal feeding stuffs -- Polymerase chain reaction (PCR) for the detection of food-borne pathogens -- General requirements and definitions (adoption of ISO 22174:2005)

**ASPECT WISE REPORT**

PRODUCT	13
METHODS OF TEST	26
CODES OF PRACTICES	39
OTHERS	13
<b>TOTAL : 91</b>	

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

FAD 16 FOODGRAINS, STARCHES & READY TO EAT FOODS

- SCOPE -**
- A. Foodgrains, allied products (including edible oilseed flour) and agricultural produce except those covered under the scope of FAD 4, FAD 6, FAD 9, FAD 10 and FAD 13
  - B. Starches (including derivatives and by-products)
  - C. Storage of foodgrains
  - D. Physical, chemical and microbiological methods of test and general methodology for sensory evaluation including nutritional aspects pertaining to this committee
  - E. Liaison with
    - i. ISO/TC 34/SC 4 Cereals and pulses; and
    - ii. ISO/TC 93 Starches (including derivatives and by-products)

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 609:1955	Code of practice for improvement of existing structures used or intended to be used for foodgrain storage	Feb 2010	2
2	IS 631:1979	Specification for Outdoor aluminium foodgrain storage bins (first revision)	Nov 2013	
3	IS 899:1971	Specification for Tapioca sago (SABOODANA) (first revision)	May 2012	1
4	IS 1005:1992	Edible maize starch (corn flour) - Specification (third revision)	Nov 2013	1
5	IS 1006:1984	Specification for Arrowroot starch (second revision)	May 2012	
6	IS 1007:1984	Specification for Custard powder (second revision)	May 2012	
7	IS 1009:1979	Specification for wheat flour (MAIDA) for general purposes (second revision)	Feb 2010	2
8	IS 1010:1968	Specification for SUJI or RAVA (Semolina) (first revision)	Feb 2010	3
9	IS 1155:1968	Specification for Wheat ATTA (second revision)	Feb 2010	3
10	IS 1156:1957	Specification for Pearl barley	Feb 2010	1
11	IS 1157:1957	Specification for Barley powder	Feb 2010	1
12	IS 1317:1969	Specification for Edible tapioca chips (first revision)	May 2012	
13	IS 1318:1969	Specification for Edible tapioca flour (first revision)	May 2012	
14	IS 1319:1983	Specification for Edible tapioca starch (second revision)	May 2012	
15	IS 1485:1993	Macaroni, spaghetti, vermicelli and egg noodles - Specification (second revision)	Feb 2010	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

16	IS 2400:1976	Specification for BESAN (first revision)	Feb 2010	1
17	IS 2404:1993	Malt extract - Specification (second revision)	Feb 2010	
18	IS 2639:1999	PAPAD - Specification (third revision)	Feb 2010	1
19	IS 2813:1995	Terminology for foodgrains (second revision)	Feb 2010	1
20	IS 3155:1965	Specification for MAKHANNA products	May 2012	
21	IS 3838:1966	Specification for Self-raising flour	Feb 2010	
22	IS 4287:1992 / ISO 1227:1979	Starch - Glossary (second revision)	Nov 2013	
23	IS 4333(Part 1):1996	Methods of analysis for foodgrains: Part 1 Refractions (second revision)	May 2012	
24	* IS 4333(Part 2):2002 / ISO 712:1998	Methods of analysis for foodgrains: Part 2 Determination of moisture content (first revision)	May 2012	
25	* IS 4333(Part 3):2002 / ISO 7971:1995	Methods of analysis for foodgrains: Part 3 Determination of hectolitre weight (first revision)	May 2012	
26	* IS 4333(Part 4):2002 / ISO 520:1977	Methods of analysis for foodgrains: Part 4 Determination of mass of 1 000 grains (first revision)	May 2012	
27	IS 4333(Part 5):1970	Methods of analysis for foodgrains: Part 5 Determination of uric acid	Feb 2010	
28	IS 4662:1977	Methods for sampling of starches and starch products (first revision)	Feb 2010	
29	IS 4684:1975	Specification for Edible groundnut flour (expeller pressed) (first revision)	Feb 2010	2
30	IS 4706(Part 1):1978	Methods of tests for edible starches and starch products: Part 1 Physical methods (first revision)	Feb 2010	1
31	IS 4706(Part 2):1978	Methods of tests for edible starches and starch products: Part 2 Chemical methods (first revision)	Feb 2010	
32	IS 4875:1975	Specification for Edible groundnut flour (solvent extracted) (first revision)	Feb 2010	3
33	IS 4876:1986	Specification for Edible cottonseed flour (solvent extracted) (first revision)	Feb 2010	1
34	IS 5503(Part 1):1969	General requirements for silos for grain storage : Part 1 Constructional requirements	Feb 2010	
35	IS 5503(Part 2):1969	General requirements for silos for grain storage: Part 2 Grain handling equipment and accessories	Feb 2010	
36	IS 5606:1970	Specification for Steel bins for grain storage	Nov 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

37	IS 6108:1971	Specification for Edible sesame flour (solvent extracted) (first revision)	Feb 2010	2
38	IS 6109:1971	Specification for Edible sesame flour (expeller pressed)	Feb 2010	1
39	IS 6151(Part 1):1971	Storage management code: Part 1 Terminology	Feb 2010	
40	IS 6151(Part 2):1971	Storage management code: Part 2 General care in handling and storage of agricultural produce and inputs	Feb 2010	
41	IS 6151(Part 3):1976	Storage management code: Part 3 Specific care in handling and storage of agricultural produce and inputs	Feb 2010	
42	IS 6261:1971	Methods of analysis for detection of insect and rodent contamination in grains and milled products	Feb 2010	
43	IS 6663:1972	Method for determination of angle of repose of grains	Feb 2010	
44	IS 6894:1993	Malting barley - Specification (first revision)	Feb 2010	
45	IS 6895:1973	Specification for Barley malt	Nov 2013	1
46	IS 7147(Part 1):1973	Specification for Steel bins for domestic storage: Part 1 GHARELU KOTHI	Nov 2013	
47	IS 7187:1989	Ice cream cones - Specification (first revision)	Feb 2010	
48	IS 7247(Part 1):1974	Code of practice for fumigation of agricultural produce: Part 1 Methyl bromide	Feb 2010	
49	IS 7247(Part 3):1974	Code of practice for fumigation of agricultural produce: Part 3 Aluminium phosphide	Feb 2010	
50	IS 7247(Part 4):1975	Code of practice for fumigation of agricultural produce: Part 4 Ethylene dichloride and Carbon tetrachloride mixture	Feb 2010	
51	IS 7247(Part 5):1985	Code of practice for fumigation of agricultural produce: Part 5 General requirements	May 2012	
52	IS 7463:2004	Wheat flour (maida) for use in bakery industry - Specification (second revision)	Nov 2013	
53	IS 7715:1975	Methods for testing suitability of bins for safe storage of foodgrains	Feb 2010	
54	IS 7716:1975	Methods for testing efficacy of fumigation for disinfestation of grains in domestic bins	Feb 2010	
55	IS 7835:2013	Edible medium-fat soya flour - Specification (first revision)		
56	IS 7836:2013	Edible low-fat soya flour - Specification (first revision)		
57	IS 7837:2013	Edible full-fat soya flour - Specification (first revision)		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

58	* IS 8162:1998 / ISO 5531:1978	Wheat flour - Method for determination of wet gluten (first revision)	Nov 2013	
59	IS 8184:1976	Method for determination of ergot in foodgrains	Feb 2010	
60	IS 8453:1977	Code of practice for construction of polyethylene embedded earthen bins for bulk storage of foodgrains	Feb 2010	
61	IS 8664:1977	Specification for Edible coconut flour (expeller pressed)	Feb 2010	2
62	IS 8676:1977	Specification for Edible coconut flour (solvent extracted)	Feb 2010	2
63	IS 8677:1977	Specification for Edible sunflower seed flour (solvent extracted)	Feb 2010	1
64	IS 8972:1978	Method for determination of co-efficient of friction of foodgrains	Feb 2010	
65	IS 9027:1978	Method for determination of thermal conductivity of foodgrains	Feb 2010	
66	IS 9039:1979	Specification for Edible sunflower seed grits	Feb 2010	
67	IS 9130:1979	Specification for Edible spray dried potato flour	Feb 2010	
68	IS 9215:1979	Specification for Outdoor steel bins for foodgrain storage	Nov 2013	
69	IS 9374:1979	Glossary of terms relating to flour milling industry	Feb 2010	
70	IS 9629:2004	Maize atta, maize maida and maize suji - Specification (first revision)	Nov 2013	
71	IS 10065:1981	Specification for Roasted, groundnut (peanut) kernels	Feb 2010	1
72	IS 10597:1983	Specification for Soluble starch phosphate (edible grade)	Feb 2010	
73	IS 10698:1983	Method for determination of thermal diffusivity of foodgrains	Feb 2010	
74	IS 10699:1983	Method for determination of specific heat of foodgrains	Feb 2010	
75	IS 10759:1983	Specification for Brewer's yeast	Feb 2010	
76	IS 10768:1984	Method of test for quality characteristics of pulses	Feb 2010	
77	IS 10769:1984	Specification for Wheat porridge	Feb 2010	
78	IS 10770:1984	Specification for Beaten rice	Feb 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



79	IS 10898:1984	Specification for Fortified wheat ATTA	May 2012
80	IS 10899:1984	Specification for Fortified wheat MAIDA	May 2012
81	IS 10900:1984	Specification for Fortified barley powder	Feb 2010
82	IS 10901:1984	Specification for PAUSHTIK wheat ATTA	May 2012
83	IS 10902:1984	Specification for PAUSHTIK wheat MAIDA	May 2012
84	IS 10903:1984	Specification for PAUSHTIK barley powder	Feb 2010
85	IS 11261(Part 1):1985	Methods for assessment of post harvest grain losses by rodents: Part 1 General considerations, direct measurement techniques and biological aspects of survey procedures	Feb 2010
86	IS 11261(Part 2):1985	Methods for assessment of post harvest grain losses by rodents: Part 2 Loss determination by population assessment and estimation procedures	Feb 2010
87	IS 11396:1985	Test methods for determination of storability (safe storage life) of foodgrains	Feb 2010
88	IS 11454:1985	Method for measurement of carbondioxide in the inter granular atmosphere	Feb 2010
89	IS 11535:1985 / ISO 2164:1975	Method of test for determination of glycosidic hydrocyanic acid in pulses	Feb 2010
90	IS 11581:1986	Specification for Edible cottonseed flour prepared by liquid cyclone process	Feb 2010 1
91	IS 11816(Part 1):2010 / ISO 6322-1:1996	Storage of cereals and pulses: Part 1 General recommendations for the keeping of cereals (first revision)	
92	IS 11816(Part 2):2009 / ISO 6322-2:2000	Storage of cereals and pulses: Part 2 Practical recommendations (first revision)	
93	IS 11816(Part 3):1986   ISO 6322-3:1989	Storage of cereals and pulses: Part 3 Control of attack by vertebrate and invertebrate animals	Feb 2010
94	IS 12529:1988	Method for estimation of storage losses by insects	Feb 2010
95	* IS 12700:2010 / ISO 3093:2004	Wheat, rye and respective flours, durum wheat and durum wheat semolina - Determination of the falling number according to Hagberg-Perten (first revision)	
96	IS 13046:1991	Sweet potato flour - Specification	May 2012
97	IS 13662:1993	Isabgol husk - Specification	Feb 2010
98	IS 13678:1993	Isabgol - Specification	Feb 2010

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

99	IS 13693:1993	Determination of de-husked grains in rice by double staining method	Feb 2010	
100	IS 13863:1993 / ISO 7973:1992	Cereals and milled cereal products - Determination of viscosity of flour - Method using an amylograph	Feb 2010	
101	* IS 13864:1993 / ISO 5529:1992	Wheat - Determination of sedimentation index - Zeleny test	Feb 2010	1
102	IS 14613:1998	Roasted Bengal Gram Flour (Channa Sattu)	Nov 2013	1
103	* IS 14818:2000 / ISO 13690:1999	Cereal and pulses and milled products - Sampling of static batches	Feb 2010	
104	* IS 15470:2004 / ISO 6645:1981	Wheat Flour - Determination of dry gluten	Nov 2013	

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 16(2002)	Draft Indian Standard - Code of practice for construction of non-perishable agricultural commodities storage structures
2	DOC.FAD 16(2325)	Draft Indian Standard - Soymilk - Specification

#### **DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 16(2437)	Draft Amendment No. 2 to IS 2639:1999 Papad -Specification (third revision)
2	DOC.FAD 16(2508)	Draft Amendment No. 1 to IS 1007:1984 Specification for custard powder (second revision)

#### **DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 16(2326)	Draft Indian Standard-Blended Sattu-Specification
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#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 16(2592)	Draft Indian Standard- Methods of analysis for foodgrains: Part 2 Determination of moisture content (second revision of IS 4333 Part 2) (Adoption of ISO 712 : 2009)
2	DOC.FAD 16(2593)	Draft Indian Standard- Methods of analysis for foodgrains: Part 3 Determination of hectolitre weight (Second Revision of IS 4333 Part 3) (Adoption of ISO 7971-3 : 2009)
3	DOC.FAD 16(2594)	Draft Indian Standard Methods of analysis for foodgrains: Part 4 Determination of the mass of 1 000 grains (Second Revision of IS 4333 Part 4) (Adoption of ISO 520 : 2010)
4	DOC.FAD 16(2596)	Draft Indian Standard Wheat and wheat flour- Gluten content Part 1: Determination of wet gluten by a manual method (Superseding IS 8162) (Adoption of ISO 21415-1 : 2006)

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

5	DOC.FAD 16(2597)	Draft Indian Standard Wheat and wheat flour~ Gluten content~ Part 2: Determination of wet gluten by mechanical means (Superseding IS 8162) (Adoption of ISO 21415-2 : 2006)
6	DOC.FAD 16(2601)	Draft Indian Standard Wheat, rye and their flours, durum wheat and durum wheat semolina~ Determination of the falling number according to Hagberg-Perten (Second Revision of IS 12700) (Adoption of ISO 3093 : 2009)
7	DOC.FAD 16(2602)	Draft Indian Standard Wheat~ Determination of the sedimentation index~ Zeleny test (First Revision of IS 13864) (Adoption of ISO 5529 : 2007)
8	DOC.FAD 16(2603)	Draft Indian Standard Cereal and cereal products~ Sampling (First Revision of IS 14818) (Adoption of ISO 24333 : 2009)
9	DOC.FAD 16(2607)	Draft Indian Standard Wheat and wheat flour~ Gluten content~ Part 1: Determination of dry gluten from wet gluten by an oven drying method (Superseding IS 15470) (Adoption of ISO 21415-3 : 2006)
10	DOC.FAD 16(2608)	Draft Indian Standard Wheat and wheat flour~ Gluten content~ Part 2: Determination of dry gluten from wet gluten by a rapid drying method (Superseding IS 15470) (Adoption of ISO 21415-4 : 2006)

**DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION**

1	DOC.FAD 16(2511)	Draft Amendment No. 2 to IS 899:1971 specification for Tapioca sago (SABOODANA) (first revision)
2	DOC.FAD 16(2512)	Draft Amendment No. 2 to IS 1319:1983 Specification for edible tapioca starch (second revision)

**ASPECT WISE REPORT**

PRODUCT	58
METHODS OF TEST	29
CODES OF PRACTICES	11
TERMINOLOGY	4
OTHERS	2
<b>TOTAL : 104</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

## FAD 17 FARM IRRIGATION AND DRAINAGE SYSTEMS

**SCOPE -** A) Methods of evaluation and adoption of quality of irrigation water, efficiency of irrigation, water requirement of crops and guidelines for various practices associated with soil water management as well as various irrigation equipment and systems (excluding centrifugal and hand pumps), soil conservation practices.

B) All types of farm drainage practices, design, material, drainage and sub surface drainage systems and equipment, all types of on farm water management practices including construction and improvement of water distribution systems, land levelling & all equipment & machinery dealing with command area development.

C) Liaison with:

i) ISO/TC23 Agricultural Machinery

ii) ISO/TC 23/SC 18 Irrigation and Drainage equipment and systems

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 8967(Part 1):1992	Farm Drainage Equipment - Drainage Clay Tiles - Specification - Part 1 : Tiles with Open Joints(first revision)	Mar 2012	
2	IS 8967(Part 2):1983	Specification for Farm Drainage Clay Tiles - Part 2 : Perforated Tiles with Collar Joints	Mar 2012	
3	IS 8968:1978	Specification for Farm drainage concrete tiles	Mar 2012	
4	IS 9633:1980	Specification for Farm drainage asbestos cement pipes	Mar 2012	
5	IS 9696:1980	Code of practice for installation of farm drainage tile or pipe system	Mar 2012	
6	IS 9979:1981	Code for design and laying of mineral filters for tile drain system	Mar 2012	
7	IS 10317:1982	Guide for evaluation of soil properties relevant to irrigation	Mar 2012	1
8	IS 10799:1999	Irrigation equipment - Design, installation and operation of micro-irrigation systems - Code of practice (first revision)	Feb 2009	
9	IS 10808:1984	Code of practice for installation, operation and maintenance of hydraulic rams	Jan 2011	
10	IS 10809:1984	Specification for Hydraulic rams	Jan 2011	
11	IS 10907:1984	Code for design of farm drainage tile or pipe system	Jan 2011	
12	IS 11077:1984	Glossary of terms on soil and water	Jan 2011	
13	IS 11390:1985	Test code for hydraulic rams	Jan 2011	
14	IS 11493:1986	Glossary of terms relating to farm drainage	Feb 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

15	IS 11494:1986	Code for construction and maintenance of surface farm drainage systems	Jan 2011	
16	IS 11495:1986	Code for design of surface farm drainage system	Jan 2011	
17	IS 11538:1986	Code of practice for design and installation of farm drainage pumping plant	Jan 2011	
18	IS 11624:1986	Guidelines for the quality of irrigation water	Jan 2011	
19	IS 11711:1986	Recommended criteria for adoptability of different irrigation methods	Jan 2011	
20	IS 12232(Part 1):1996   ISO 7749-1:1995	Irrigation equipment - Rotating sprinkler: Part 1 Design and operational requirements (first revision)	Jan 2011	1
21	IS 12232(Part 2):1995	Irrigation equipment - Rotating sprinkler : Part 2 Test method for uniformity of distribution (first revision)	Jan 2011	1
22	IS 12785:1994	Irrigation Equipment - Strainer-type Filters - Specification (first revision)	Jan 2011	4
23	IS 12786:1989	Irrigation Equipment - Polyethylene Pipes for Irrigation Laterals - Specification	Feb 2009	6
24	IS 13062:1991	Irrigation Equipment and Systems - Evaluation of Field Irrigation Efficiencies - Guidelines	Feb 2009	
25	IS 13479:1992 / ISO 3501:1976	Assembled joints between fittings and polyethylene (PE) pressure pipes - Test for resistance to pull out	Feb 2009	
26	IS 13487:1992	Irrigation Equipment - Emitters - Specification	Feb 2009	5
27	IS 13488:2008	Irrigation Equipment - Emitting pipes system - Specification (first revision)	Jan 2014	
28	IS 13939:1994	Farm drainage - Interceptor drains for steep hill slopes under plantation crops - Guidelines for laying	Feb 2009	
29	IS 14151(Part 1):1999	Irrigation Equipment - Sprinkler Pipes - Specification - Part 1 : Polyethylene Pipes (first revision)	Feb 2009	3
30	IS 14151(Part 2):2008	Irrigation equipment - Sprinkler pipes - Specification : Part 2 Quick coupled polyethylene pipes and fittings (second revision)	Jan 2014	
31	IS 14178:1994	Pressurised irrigation equipment - Terminology	Feb 2009	
32	IS 14482:1997	Irrigation Equipment - Polyethylene Micro Tubes for Drip Irrigation - Specification	Feb 2009	1
33	IS 14483(Part 1):1997	Fertilizer and chemical injector system : Part 1 Venturi injector	Feb 2009	2
34	IS 14483(Part 2):2002	Fertilizer and Chemical Injector System - Part 2 : Water-Driven Chemical Injector Pump	Mar 2012	
35	IS 14605:1998	Irrigation equipment - Micro sprayer - Specification	Feb 2009	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

36	IS 14606:1998	Irrigation equipment - Media filter - Specification	Feb 2009	3
37	IS 14632:1999	Farm drainage system - Performance evaluation of horizontal sub-surface drainage - Guidelines	Feb 2009	
38	IS 14743:1999	Irrigation equipment - Hydro-cyclone filter - Specification	Feb 2009	
39	IS 14791:2000	Prevention and treatment of blockage problem in drip irrigation system - Code of practice	Jan 2011	
40	IS 14792:2000	Irrigation equipment - Design, installation and operation of sprinkler irrigation system - Code of Practice	Jan 2011	
41	IS 15386:2003	Pressurized irrigation systems - Graphic symbols	Mar 2013	

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 17(2224)	Draft Indian Standard - Irrigation equipment - Rain gun sprinkler-specification-Part II-Test method for uniformity of distribution
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#### **DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 17(2341)	Draft amendment no.7 to IS 12786:1989 Irrigation Equipment - Polyethylene pipes for irrigation laterals - Specification
2	DOC.FAD 17(2342)	Draft Amendment No. 6 to IS 13487:1992 Irrigation Equipment - Emitters - Specification
3	DOC.FAD 17(2343)	Draft Amendment No. 1 to IS 14743:1999 Irrigation equipment - Hydro-cyclone filter - Specification

#### **DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 17(2223)	Draft Indian Standard - Irrigation equipment - Rain gun sprinklers - Specification Part 1 - Design and operational requirements
2	DOC.FAD 17(2225)	Draft Indian Standard - Irrigation equipment - Collapsible emitting pipes(Drip taps) specification
3	DOC.FAD 17(2226)	Draft Indian Standard - Irrigation Equipment - Granulated media filter -Specification(first revision of IS 14606)

#### **ASPECT WISE REPORT**

PRODUCT	18
METHODS OF TEST	2
CODES OF PRACTICES	11
TERMINOLOGY	3
SYMBOLS	1
OTHERS	6
<b>TOTAL : 41</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 18 SLAUGHTER HOUSE AND MEAT INDUSTRY

- SCOPE -** A) Equipment, materials used in slaughter house and slaughter house layouts, flowsheet categorization  
 B) Meat, meat products, poultry, poultry products and other by-products from abattoir; codes for ante-mortem and post-mortem examination; meat stalls  
 C) Physical, chemical and microbiological methods of test pertaining to this committee  
 D) Liaison with ISO/TC 34/SC 6 Meat and Meat Products

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1723:1973	Specification for Pork (first revision)	Nov 2007	2
2	IS 1743:1973	Specification for Mutton and goat meat canned in brine (first revision)	Nov 2007	4
3	* IS 1981:1978	Specification for Animal casings (first revision)	Nov 2007	3
4	IS 1982:1971	Code of practice for ante-mortem and post-mortem inspection of meat animals (first revision)	Nov 2007	1
5	IS 2475:1979	Specification for Smoked bacon (first revision)	Nov 2007	3
6	IS 2476:1963	Specification for Ham	Nov 2007	2
7	IS 2536:1995	Meat and Meat Products - Mutton and Goat Meat (Chevon) - Fresh, Chilled and Frozen - Technical Requirements (first revision)	Nov 2007	2
8	IS 2537:1995	Meat and Meat Products - Beef and Buffalo Meat - Fresh, Chilled and Frozen - Technical Requirements (first revision)	Nov 2007	2
9	IS 3044:1973	Specification for Mutton and goat meat, curried and canned (first revision)	Nov 2007	3
10	IS 3060:1979	Specification for Pork sausages, canned (first revision)	Nov 2007	3
11	IS 3061:1979	Specification for Pork sausages, fresh (first revision)	Nov 2007	2
12	IS 3100(Part 1):1991 / ISO	Meat and meat products - Method of Sampling	Nov 2007	
13	IS 4352:1967	Specification for Pork luncheon meat, canned	Nov 2007	2
14	* IS 4393:1979	Basic requirements for an abattoir (first revision)	Mar 2010	
15	IS 4674:1975	Specification for Dressed chicken (first revision)	Nov 2007	2
16	IS 4723:1978	Specification for Egg powder (first revision)	Nov 2007	2

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

17	IS 4950:1968	Specification for Bacon rashers, canned	Nov 2007	3
18	IS 4951:1975	Specification for Ham, canned (first revision)	Nov 2007	2
19	IS 5558:1970	Specification for chicken essence	Nov 2007	2
20	IS 5960(Part 1):1996 / ISO 937:1978	Meat and meat products - Methods of test : Part 1 Determination of nitrogen content (first revision)	Nov 2007	
21	IS 5960(Part 2):2000 / ISO 936:1998	Meat and Meat Products - Methods of Test - Part 2 : Determination of Total Ash (first revision)	Nov 2007	
22	* IS 5960(Part 3):1970	Methods of test for meat and meat products: Part 3 Determination of total fat content	Mar 2010	
23	IS 5960(Part 4):1997 / ISO 1444:1996	Meat and meat products - Method of test : Part 4 Determination of free fat content (first revision)	Feb 2009	
24	IS 5960(Part 5):2001 / ISO 1442:1997	Meat and meat products - method of test: Part 5 Determination of moisture content [reference method (first revision)]	Nov 2007	
25	IS 5960(Part 6/Sec 1):1997 / ISO 1841-1:1996	Meat and meat products - Method of test : Part 6 Determination of chloride content Section 1 Volhard method (first revision)	Feb 2009	
26	IS 5960(Part 6/Sec 2):1997 / ISO 1841-2:1996	Meat and meat products - Method of Test : Part 6 Determination of Chloride content Section 2 Potentiometric method (first revision)	Feb 2009	
27	IS 5960(Part 7):1996 / ISO 2918:1975	Meat and meat products - Methods of test : Part 7 Determination of nitrite content (first revision)	Nov 2007	
28	IS 5960(Part 8):1996 / ISO 3091:1975	Meat and meat products - Methods of test : Part 8 Determination of nitrate content (first revision)	Nov 2007	
29	IS 5960(Part 9):1988 / ISO 2294:1974	Meat and meat products - Method of test : Part 9 Determination of total phosphors content	Nov 2007	
30	IS 5960(Part 10):2001 / ISO 2917:1999	Meat and meat products - Methods of test: Part 10 Measurements of pH - Reference method (first revision)	Nov 2007	
31	* IS 5960(Part 11):1988 / ISO 4133:1979	Meat and meat products - Method of test : Part 11 Determination of glucone-delta-lactone content	Nov 2007	
32	IS 5960(Part 12):2001 / ISO 4134:1999	Meat and meat products - Methods of test: Part 12 Determination of L-(+)-glutamic acid content - Reference method (first revision)	Nov 2007	
33	IS 5960(Part 13):1988 / ISO 5553:1980	Meat and meat products - Methods of test : Part 13 Determination of polyphosphates	Nov 2007	
34	IS 5960(Part 14):1988 / ISO 5554:1978	Methods of test for meat and meat products : Part 14 Determination of starch content	Nov 2007	
35	IS 5960(Part 15):2000 / ISO 3496:1994	Meat and meat products - Methods of test: Part 15 Determination of L(-) hydroxyproline content (first revision)	Nov 2007	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



36	IS 5960(Part 16):2004 / ISO 13730:1996	Meat and meat products - Method of test : Part 16 Determination of total phosphorus content - Spectrometric method	Feb 2009	
37	IS 5960(Part 17):2004 / ISO 13965:1998	Meat and meat products - Method of test : Part 17 Determination of starch and glucose content - Enzymatic method	Feb 2009	
38	IS 6557:1972	Specification for Albumen flakes, non-edible quality	Nov 2007	2
39	IS 6558:1972	Code of practice for cold storage of shell eggs	Nov 2007	
40	IS 6559:1972	Code of practice for ante-mortem and post-mortem inspection for poultry	Nov 2007	1
41	IS 6628:1972	Specification for Slide rails for use in abattoirs	Mar 2010	
42	IS 6782:1972	Specification for Hog gambrels	Mar 2010	
43	IS 6950:1973	Specification for Pig hooks	Mar 2010	
44	IS 7049:1973	Code for handling, processing, quality evaluation and storage of poultry	Nov 2007	2
45	IS 7053:1996	Meat and Meat Products - Basic Requirements for a Stall for Sale of Meat of Small and Large Animals (first revision)	Nov 2007	
46	IS 7891:1975	Specification for Inedible offal trolleys	Mar 2010	
47	IS 7909:1993	Slaughter house equipment - Electrical stunning tongs for pigs - Specification (first revision)	Mar 2010	
48	IS 8539(Part 1):1977	Terminology of meat products and meat animals: Part 1 Poultry	Nov 2007	1
49	IS 8895:1978	Guidelines for handling, storage and transport of slaughter house by-products	Nov 2007	
50	IS 9800:1993	Meat and Meat Products - Day-Old Chicks (layers and broilers) Basic Requirements (first revision)	Mar 2010	
51	IS 9810:1981	Method for evaluation of quality of fresh chicken eggs	Nov 2007	1
52	IS 10382:1982	Specification for Edible egg albumen-powder	Nov 2007	1
53	IS 10697:1983	Specification for Chicken, canned in brine	Nov 2007	3
54	IS 11533:1985	Specification for Sheep dressing hook	Mar 2010	
55	IS 11631:1985	Specification for Gambrel for sheep and goats	Mar 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

56	IS 11746:1986	Specification for Luncheon beef, canned	Nov 2007	2
57	IS 11747:1986	Specification for Corned beef, canned	Nov 2007	2
58	IS 11748:1986	Specification for Meat Extract (Beef), Food Grade	Nov 2007	2
59	IS 11771:1986	Specification for Soup stock medium (beef)	Nov 2007	2
60	IS 12189:1987	Specification for Sheep spreader	Nov 2007	
61	IS 12190:1987	Specification for Sheep bleeding shackle	Nov 2007	
62	IS 12486:1988	Specification for Meat inspection table	Nov 2007	
63	IS 12487:1988	Specification for Offal handling table for small animals	Nov 2007	
64	IS 12541:1988	Meat and Meat Products - Poultry - Chicken Curry, Canned - Specification	Nov 2007	2
65	IS 12542:1988	Meat and Meat Products - Canned Ham, Minced - Specification	Nov 2007	2
66	IS 12543:1988	Meat and Meat Products - Poultry Products - Canned Egg Curry - Specification	Nov 2007	2
67	IS 12561:1988	Poultry Products - Pickled Quail Eggs - Specification	Nov 2007	2
68	IS 13165:1991	Meat and Meat Products - Mutton Biryani (Canned) - Specification	Nov 2007	2
69	IS 13400:1992	Meat and Meat Products - Chicken Sausages - Specification	Feb 2009	2
70	IS 13401:1992	Meat and Meat Products - Determination of Thiobarbituric Acid Value in Meat - Test Method	Feb 2009	
71	* IS 14843:2000 / ISO 13720:1995	Meat and meat products - Enumeration of Pseudomonas Spp.	Nov 2007	
72	IS 14844:2000 / ISO 13721:1995	Meat and meat products - Enumeration of lactic acid bacteria - Colony count technique at 30°C	Nov 2007	
73	IS 14920:2001 / ISO 13681:1995	Meat and meat products - Enumeration of yeasts and moulds - Colony count technique	Nov 2007	
74	IS 15463:2004 / ISO 6391:1997	Meat and meat products - Enumeration of Escherichia coli - Colony count technique at 44°C using membranes	Feb 2009	
75	IS 15478(Part 2):2004 / ISO 3100-2:1988	Meat and meat products - Sampling and preparation of test samples: Part 2 Preparation of test samples for microbiological examination	Feb 2009	
76	IS 15937:2011 / ISO 13493:1998	Meat and meat products - Determination of chloramphenicol content - Method using liquid chromatography		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- 77 IS 15938:2011 / ISO 13496:2000 Meat and meat products - Detection of colouring agents - Method using thin layer chromatography
- 78 IS 15989:2012 / 17604:2003 Microbiology of food and animal feeding stuffs - Carcass sampling and microbiological analysis (Adoption of ISO 17604)
- 79 IS 15990:2012 / ISO 6887-2:2003 Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Specific rules for the preparation of meat and meat products

**FINALISED DRAFTS UNDER PRINT**

- 1 DOC.FAD 18(2120) Draft Indian Standard - Meat and meat products - Methods of test: Part 11 Determination of glucono-delta-lactone content [first revision of IS 5960(Part 11)]

**DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

- 1 DOC.FAD 18(2367) Draft Indian Standard-Methods of Test for Meat and Meat Products Part 3 Determination of Total Fat Content (First revision of IS 5960 (Part 3))
- 2 DOC.FAD 18(2441) Draft Indian Standard- Meat and Meat Products- Enumeration of Presumptive Pseudomonas Spp. [First revision of IS 14843] (Adoption of ISO 13720:2010)

**DRAFT STANDARDS FORMULATED**

- 1 DOC.FAD 18(2442) Draft Indian Standard - Specification for Animal casings (Second revision of IS 1981) rror
- 2 DOC.FAD 18(2443) Draft Indian Standard - Basic requirement for an abattoir (Second revision of IS 4393) rror

**ASPECT WISE REPORT**

PRODUCT	40
METHODS OF TEST	29
CODES OF PRACTICES	5
TERMINOLOGY	1
OTHERS	4
<b>TOTAL :</b>	<b>79</b>

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 19 DAIRY PRODUCTS AND EQUIPMENT

- SCOPE -** A) Dairy products including infant milk foods and specialized equipment used in dairies  
 B) Physical, chemical and microbiological methods of test pertaining to this committee and codes of practices  
 C) General methodology for sensory evaluation including nutritional aspects  
 D) Liaison with ISO/TC34/SC5 Milk and Milk Products

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1000:1989	Milk and Milk Products - Lactose, commercial - Specification (first revision)	Mar 2010	
2	* IS 1165:2002	Milk powder - Specification (fifth revision)	Oct 2012	1
3	* IS 1166:1986	Specification for Condensed milk, partly skimmed and skimmed condensed milk (second revision)	Oct 2012	3
4	IS 1167:1965	Specification for Casein (edible quality) (revised)	Mar 2010	1
5	IS 1223:2001	Apparatus for Determination of Milk Fat by Gerber Method - Specification (third revision)	Mar 2011	1
6	IS 1224(Part 1):1977	Determination of milk fat by the gerber method: Part 1 Milk (first revision)	Oct 2012	
7	IS 1224(Part 2):1977	Determination of milk fat by the gerber method: Part 2 Milk products (first revision)	Oct 2012	
8	* IS 1479(Part 1):1960	Methods of test for dairy industry: Part 1 Rapid examination of milk	Oct 2012	4
9	IS 1479(Part 2):1961	Method of test for for dairy industry: Part 2 Chemical analysis of milk	Oct 2012	1
10	IS 1479(Part 3):1977	Methods of test for dairy industry: Part 3 Bacteriological analysis of milk (first revision)	Oct 2012	
11	* IS 1479(Part 4):2009 / ISO 5764:2002	Methods of test for dairy industry: Part 4 Determination of milk - Thermistor cryoscope method (Reference Method)		
12	IS 1479(Part 5):1962	Methods of test for dairy industry: Part 5 Methods of dairy plant control	Oct 2012	1
13	IS 1656:2007	Milk cereal based complementary foods - Specification (fourth revision)	Jan 2012	2
14	* IS 1806:1975	Specification for Malted milk foods (first revision)	Mar 2011	2
15	IS 1825:1983	Specification for Aluminium alloy milk cans (second revision)	Mar 2011	3
16	IS 2025:1962	Specification for Cylindrical pipettes for bacteriological examination of milk	Mar 2011	1

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

17	IS 2311:1973	Specification for Fat extraction apparatus for milk and milk products (first revision)	Mar 2011	
18	IS 2336:1963	Specification for Stainless steel milk vats	Mar 2011	
19	IS 2342:1963	Specification for Manually operated milk can washer	Mar 2011	
20	IS 2343:2009	Can scrubber - Specification (First Revision)		
21	IS 2492:1976	Specification for Stainless steel road milk tankers(first revision)	Mar 2010	
22	IS 2495:1963	Specification for Cheese hoops	Mar 2011	
23	IS 2498:1963	Specification for Cheese knife	Mar 2011	
24	IS 2504:1964	Specification for Hand operated cheese press (vertical)	Mar 2011	
25	IS 2647:1964	Specification for Cheese mill	Mar 2011	
26	IS 2688:2009	Insulated stainless steel horizontal milk storage tank - Specification (First Revision)		
27	IS 2689:1964	Specification for Batch pasteurizer (stainless steel)	Mar 2011	1
28	IS 2785:1979	Specification for Natural cheese (hard variety), processed cheese, processed cheese spread and soft cheese (first revision)	Mar 2011	
29	IS 2802:1964	Specification for Ice cream	Mar 2011	4
30	IS 2803:1964	Specification for Capillary pipette for direct microscopic count of milk (first revision)	Mar 2011	
31	IS 2829:1979	Specification for Steam jacketed ghee pans (Stainless steel) (first revision)	Mar 2011	
32	IS 2981:1964	Layout plan for dairy laboratories	Nov 2008	
33	IS 3382:1965	Specification for Stainless steel milk pipes and fittings	Mar 2011	
34	IS 3507:1966	Method of sampling and test for butter	Oct 2012	1
35	IS 3508:1966	Method of sampling and test for ghee	Oct 2012	3
36	IS 3509:1966	Method of sampling and test for cream	Oct 2012	
37	IS 3661:1966	Specification for Farm milk cooling tanks	Mar 2010	2

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

38	IS 3864:1966	Mobile kit for milk testing	Oct 2012	
39	IS 3893:1966	Specification for Slides for direct microscopic count of milk	Mar 2011	
40	IS 3922:1966	Recommendation for ghee refinery	Oct 2012	
41	IS 4079:1967	Specification for Canned RASOGOLLA	Mar 2011	2
42	IS 4238:1967	Specification for Sterilized milk	Mar 2010	
43	IS 4709:1968	Specification for Flavoured milk	Mar 2010	
44	IS 4743:1968	Specification for Settling tanks for GHEE (stainless steel)	Mar 2011	
45	IS 4883:1980	Specification for KHOA (first revision)	Mar 2010	
46	IS 4884:1968	Specification for Sterilized cream	Mar 2010	
47	IS 4938:2009	Insulated stainless steel milk storage tanks, vertical type - Specification (First Revision)		
48	IS 5162:1980	Specification for CHHANA (first revision)	Mar 2010	
49	IS 5253:1969	Guidelines for cleaning and sterilizing dairy equipment	Mar 2010	
50	IS 5550:1970	Specification for BURFI	Mar 2010	
51	IS 5567:1970	Specification for Bottles for sterilized milk	Mar 2011	
52	IS 6591:1972	Specification for Rail milk tankers	Mar 2010	
53	IS 6684:1972	Specification for Milk can trolleys	Mar 2011	
54	IS 7607(Part 1):1975	Code of practice for keeping dairy accounts: Part 1 Primary milk collection units	Oct 2012	
55	IS 7607(Part 2):1975	Code of practice for keeping dairy accounts: Part 2 Market milk plants	Oct 2012	
56	IS 7607(Part 3):1975	Code of practice for keeping dairy accounts: Part 3 Products plants	Oct 2012	
57	IS 7768:1975	Method for sensory evaluation of milk	Oct 2012	
58	IS 7769:1975	Method for sensory evaluation of table butter	Mar 2011	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

59	IS 7770:1975	Method for sensory evaluation of ghee (clarified butterfat)	Oct 2012
60	IS 7839:1975	Specification for Dried ice cream mix	Mar 2010
61	IS 8479(Part 1):1977	Method for determination of phosphatase activity in milk and milk products: Part 1 Routine method	Oct 2012
62	IS 8479(Part 2):1977	Method for determination of phosphatase activity in milk and milk products: Part 2 Reference method	Oct 2012
63	IS 9070:1979	Method for determination of fat in cheese by Van Gulik method	Oct 2012
64	IS 9532:1980	Specification for Chakka and Shrikhand	Mar 2010
65	IS 9584:1980	Specification for Cheese powder	Mar 2010
66	IS 9585:1980	Specification for Lactometers	Oct 2012
67	IS 9617:1980	Specification for DAHI	Mar 2010
68	IS 9853:1981	Specification for Milk collection trays	Mar 2010
69	IS 9854:1981	Code for construction of milk delivery vans	Mar 2010
70	IS 9967(Part 1):2008 / ISO 14673-1:2004	Milk and milk products - Determination of nitrate and nitrite content: Part 1 Method using cadmium reduction and spectrometry (second revision)	
71	IS 9967(Part 2):2008 / ISO 14673-2:2004	Milk and milk products - Determination of nitrate and nitrite content: Part 2 Method using segmented flow analysis (second revision)	
72	IS 9967(Part 3):2008 / ISO 14673-3:2004	Milk and milk products - Determination of nitrate and nitrite content: Part 3 Method using cadmium reduction and flow injection analysis with in line dialysis (second revision)	
73	IS 10029:1981	Methods for sensory evaluation of sweetened condensed milk	Oct 2012
74	IS 10030:1981	Methods for sensory evaluation of milk powder	Oct 2012
75	IS 10083:1982	Method of test for determination of SNF(solids not fat) in milk by the use of lactometers	Oct 2012
76	IS 10281:1982	Method for sensory evaluation of processed cheese	Oct 2012
77	IS 10484:1983	Specification for PANEER	Mar 2010
78	IS 10501:1983	Specification for KULFI	Mar 2010

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

79	IS 11202:2012 / ISO 8069:2005	Dried milk - Determination of lactic acid and lactates content - Enzymatic method (first revision)		
80	IS 11536:2007	Processed cereal based complementary foods - Specification (second revision)	Jan 2012	1
81	IS 11546:2012 / ISO 707:2008	Milk and Milk Products - Guidance on Sampling (first revision)		
82	IS 11585:2009	Insulated stainless steel silos for milk storage - Capacity 30,40,60 and 100 kilo litres - Specification (first revision)		
83	IS 11602:1986	Specification for Packed GULAB JAMUNS	Oct 2012	1
84	IS 11622:1986	Method for determination of total solids content in condensed milk	Oct 2012	
85	IS 11623:2008 / ISO 5537:2004	Dried milk - Determination of moisture content (reference method)	Oct 2012	
86	IS 11721:2013 / ISO 1736:2008	Dried milk and dried milk products - Determination of fat content - Gravimetric method (Reference method) (Second Revision of IS 11721)		
87	IS 11762:2013 / ISO 1737:2008	Evaporated milk & sweetened condensed milk - Determination of fat content - Gravimetric method (Reference method) (Second Revision of IS 11762)		
88	IS 11763:2011 / ISO 5943:2006	Cheese and processed cheese products - Determination of chloride content - Potentiometric titration method (third revision)		
89	IS 11764:2005 / ISO 2911:2004	Sweetened condensed milk - Determination of sucrose content - Polarimetric method (first revision)	Mar 2010	
90	* IS 11765:1986 / ISO 6091:1980	Method for determination of titratable acidity in milk powder and similar products (reference method)	Oct 2012	
91	IS 11766:1986 / ISO 6092:1980	Method for determination of titratable acidity in milk powder and similar products (routine method)	Oct 2012	1
92	IS 11888:2005 / ISO 5739:2003	Caseins and caseinates - Determination of contents of scorched particles and of extraneous matter (first revision)	Mar 2010	
93	IS 11917:1987 / ISO 5549:1978	Method for determination of protein content in caseins and caseinates (reference method)	Oct 2012	
94	* IS 11918:1987 / ISO 5546:1979	Method for determination of pH in caseins and caseinates (reference method)	Oct 2012	
95	IS 11919:2012 / ISO 5544:2008	Method for determination of fixed ash in caseins (reference method)		
96	IS 11920:2012 / ISO 5550:2006	Casein and caseinates - Determination of moisture content (Reference method) (first revision)		
97	IS 11962:2012 / ISO 5545:2008	Method for determination of ash in rennet caseins and caseinates (reference method)		
98	IS 11963:2005 / ISO 5548:2004	Caseins and caseinates - Determination of lactose content - Photometric method (first revision)	Mar 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



99	IS 11964:2012 / ISO 5547:2008	Method for determination of free acidity in caseins (Reference method)		
100	IS 12176:1987	Specification for Sweetened ultra high temperature (UHT) treated condensed milk	Oct 2012	
101	IS 12299:1998	Dairy Whitener - Specification (first revision)	Mar 2011	1
102	* IS 12333:1997 / ISO 6731:1989	Milk, Cream and Evaporated Milk - Determination of Total Solids Content (Reference Method) (first revision)	Oct 2012	
103	IS 12756:1989 / ISO 2962:1984	Cheese and cheese products - Determination of total phosphorus content by molecular absorption spectrometric method	Mar 2010	
104	IS 12757:2012 / ISO/ TS 2963:2006	Cheese and processed cheese products - Determination of citric acid content - Enzymatic method (second revision)		
105	IS 12758:2005 / ISO 1735:2004	Cheese and processed cheese products - Determination of fat content - Gravimetric method (Reference Method) (first revision)	Mar 2010	
106	IS 12759:1989 / ISO 8156:1987	Dried milk and dried milk products - Determination of insolubility index	Mar 2010	
107	IS 12760:2012 / ISO 8070:2007	Dried milk - Determination of sodium and potassium content by flame emission spectrometric method (first revision)		
108	IS 12898:1989	Dairy Products - Yoghurt - Specification	Mar 2010	
109	IS 12899:1989	Dairy Products - Yoghurt, Enumeration of Specific Lactic Acid Bacteria - Method of Test	Mar 2010	
110	* IS 13334(Part 1):1998	Skimmed Milk Powder - Specification - Part 1 : Standard Grade (first revision)	Oct 2012	1
111	* IS 13334(Part 2):1992	Skim Milk Powder - Specification - Part 2 : Extra Grade	Oct 2012	3
112	IS 13500:1992	Spray dried milk powders - Scorched particles - Determination	Oct 2012	
113	IS 13688:1999	Packaged Pasteurized Milk - Specification (first revision)	Mar 2010	
114	IS 13689:1992	Butter oil (Butter fat) - Specification	Oct 2012	
115	IS 13690:1992	Pasteurized butter - Specification	Oct 2012	1
116	IS 14433:2007	Infant milk substitutes - Specification (first revision)	Jan 2012	4
117	IS 14542:1998	Partly skimmed milk powder - Specification	Mar 2010	1
118	IS 15346:2003	Methods for sensory evaluation of panner/channa	Oct 2012	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

119	IS 15347:2003	Malted Milk Food - Method for Sensory Evaluation	Oct 2012	
120	IS 15348:2003	Method for sensory evaluation of Shrikhand	Oct 2012	
121	IS 15349:2003	Ice Cream - Method for sensory evaluation	Oct 2012	
122	IS 15757:2007	Follow-up formula - Complementary foods - Specification	Jan 2012	4
123	IS 16072:2012	Method for determination of moisture content in milk powder and similar products.		
124	IS 16195:2014 / ISO/TS 15495:2010	Milk, milk products and infant formulae - Guidelines for the quantitative determination of melamine and cyanuric acid by LC-MS		

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 19(2330)	Draft Indian Standard - Skimmed milk powder - Specification Part 1 Standard grade [second revision of IS 13334(Part 1)]		
2	DOC.FAD 19(2331)	Draft Indian Standard - Skimmed milk powder - Specification Part 2 extra grade [first revision of IS 13334 (Part 2)]		
3	DOC.FAD 19(2641)	Draft Amendment No. 2 to IS 1165 : 2002 Milk Powder -Specification (fifth revision)		
4	DOC.FAD 19(2642)	Draft Amendment No. 4 to IS 1166 : 1986 Specification for Condensed Milk, Partly Skimmed and Skimmed Condensed Milk (second revision)		
5	DOC.FAD 19(2643)	Draft Amendment No. 2 to IS 1806 : 1975 Specification for Malted Milk Foods (first revision)		
6	DOC.FAD 19(2644)	Draft Amendment No. 2 to IS 12299 : 1998 Dairy Whitener - Specification (first revision)		

#### **DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 19(2459)	Draft Indian Standard - Milk - Determination of nitrogen content - kjeldahl method [Adoption of ISO 8968-1:2001]		
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#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 19(2569)	Draft Indian Standard - Ghee - Specification		
2	DOC.FAD 19(2610)	Draft Indian Standard - Stainless steel milk cans - Specification		
3	DOC.FAD 19(2611)	Draft Indian Standard - Cheese and processed cheese products- Determination of total phosphorus content - Molecular absorption spectrometric method (first revision of IS 12756 ) (Adoption of ISO 2962 : 2010)		
4	DOC.FAD 19(2612)	Draft Indian Standard - Caseins and cassinates- Determination of pH (reference method) (first revision of IS 11918) (Adoption of ISO 5546: 2010)		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- |   |                  |  |
|---|------------------|--|
| 5 | DOC.FAD 19(2613) | Draft Indian Standard - Milk - Determination of freezing point-Thermistor cryoscope method (reference method) [third revision of IS 1479 (Part 4)] (Adoption of ISO 5764 : 2009)     |
| 6 | DOC.FAD 19(2614) | Draft Indian Standard - Dried milk - Determination of titratable acidity (reference method) (first revision of IS 11765) (Adoption of ISO 6091 : 2010)                               |
| 7 | DOC.FAD 19(2615) | Draft Indian Standard - Milk cream and evaporated milk -Determination of total solids content (reference method) (second revision of IS 12333 ) (Adoption of ISO 6731: 2010)         |
| 8 | DOC.FAD 19(2616) | Draft Indian Standard - Milk and milk products - Determination of milk fat purity by gas chromatographic analysis of triglycerides (reference method) (Adoption of ISO 17678 : 2010) |
| 9 | DOC.FAD 19(2640) | Draft Amendment No. 3 to IS 1656 : 2007 to Milk-Cereal based Complementary Foods - Specification ( fourth revision )   |

**DRAFT STANDARDS FORMULATED**

- |   |                  |   |
|---|------------------|---|
| 1 | DOC.FAD 19(2648) | Draft Indian Standards - Milk powder - Specification (sixth revision of IS 1165)  |
| 2 | DOC.FAD 19(2649) | Draft Indian Standard - Condensed milk, partly skimmed and skimmed condensed milk - Specification (third revision of IS 1166) |
| 3 | DOC.FAD 19(2650) | Draft Indian Standard - Malted milk foods - Specification (second revision of IS 1806)  |

**ASPECT WISE REPORT**

PRODUCT	63
METHODS OF TEST	41
CODES OF PRACTICES	5
OTHERS	15
<b>TOTAL :</b>	<b>124</b>

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 20 AGRICULTURE AND FOOD PROCESSING EQUIPMENTS

- SCOPE -** A) Equipment for primary processing operations like cleaning, grading, shelling, washing, polishing, drying etc for food grains, seeds & horticulture produce.  
 B) Equipment and system for secondary processing like milling, expelling, extraction, crushing etc of food grains, oil seed & horticulture produce.  
 C) By product handling and processing equipments  
 D) Equipment for value addition to agricultural product and by products including packaging etc.  
 E) Liaison with ISO/TC 23/SC 7 Equipment harvesting and conservation.

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1511:1979	Specification for Blades for manually-operated chaff cutter (second revision)	Feb 2012	3
2	IS 1973:1999	Sugarcane crushers - Specification (third revision)	Mar 2010	
3	IS 4596:1968	Glossary of terms relating to oil expellers	Mar 2010	
4	IS 5223:1993	Oilseeds milling machinery - Oil expellers - Test code (first revision)	Mar 2010	
5	IS 5224:1993	Oilseeds milling machinery - Oil expellers single barrel - Specification (second revision)	Mar 2010	
6	IS 5718:2000	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (second revision)	Mar 2010	
7	IS 6997:1973	Test code for sugarcane crushers	Feb 2012	
8	IS 7051:1973	Specification for Power maize shellers	Feb 2012	
9	IS 7052:1973	Test code for power maize shellers	Feb 2012	
10	IS 7897:1975	Test code for chaff cutter	Feb 2012	1
11	IS 7898:2001	Manually-Operated Chaff Cutter - Specification (second revision)	Feb 2012	
12	IS 8108(Part 1):1984	Test code for grain dryers: Part 1 Selection and preparation for test (first revision)	Feb 2012	1
13	IS 8108(Part 2):1984	Test code for grain dryers: Part 2 Method of tests for continuous dryers	Feb 2012	
14	IS 8108(Part 3):1985	Test code for grain dryers: Part 3 Methods of tests for in-silo dryers	Feb 2012	
15	IS 8420:2000	Grain dryers - Glossary of terms (first revision)	Mar 2010	

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS

16	IS 8427:1989	Agricultural produce milling machinery - Rubber rolls for paddy dehusker - Specification (first revision)	Mar 2010	2
17	IS 8440:1977	Test code for paddy cleaners	Mar 2010	3
18	IS 9049:1989	Agricultural Produce Milling Machinery - Paddy dehusker, rubber roll type - Test code (first revision)	Mar 2010	
19	IS 9555:1999	Rice polisher - Specification (second revision)	Mar 2010	
20	IS 9981:2000	Agricultural Produce Processing Equipment - Glossary of Terms (first revision)	Mar 2010	
21	IS 10048:1999	Rice grader - Specification (second revision)	Mar 2010	
22	IS 10507:1998	Paddy separator - Specification (first revision)	Mar 2010	
23	IS 10520:1989	Agricultural produce milling machinery - Emery stones for burr flour mills - Specification (first revision)	Mar 2010	
24	IS 10892:1984	Recommendations for aperture size of sieves for seed cleaners	Mar 2010	
25	IS 11032:1984	Specification for rotary screen-type precleaner	Feb 2012	1
26	IS 11041:1984	Specification for air-screen seed cleaner	Mar 2010	
27	IS 11459:1985	Specification for power-operated chaff cutter	Feb 2012	1
28	IS 11473:2002	Groundnut Decorticator - Test Code (first revision)	Feb 2012	
29	IS 11787:1986	Specification for paddy dehusker, rubber roll type	Mar 2010	
30	IS 11834:1986   ISO 3971:1977	Symbols and flow diagram for rice milling	Mar 2010	
31	IS 12047:1987	Specification for oil seed cookers/kettles, horizontal type	Mar 2010	1
32	IS 12064:1987	Code of practice for paddy parboiling	Mar 2010	1
33	IS 12396:1988	Specification for paddy cleaner	Mar 2010	
34	IS 12411:1988	Specification for paddy dehusker, centrifugal type	Mar 2010	1
35	IS 12576:1989	Seed Processing Machinery - Indented cylinder grader - Test code	Mar 2010	1
36	IS 12792:1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification	Mar 2010	1

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

37	IS 12833:1989	Agricultural produce milling machinery - Roller flour mills - Flow diagram	Mar 2010	
38	IS 13793:1993	Agricultural produce milling machinery - Milling of pulses - Flow Diagram	Mar 2010	1
39	IS 13794:1993	Oilseeds milling machinery - Power GHANIES Portable - Specification	Mar 2010	1
40	IS 14442:1997	Agricultural produce machinery - Burr Mill - Milling Test code	Mar 2013	
41	IS 14460:1997	Seed processing equipment - Gravity separator - Specification	Mar 2013	
42	IS 14603:1998	Potato grader - Test code	Mar 2010	
43	IS 15542:2005	Power-operated chaff cutter - Safety requirements	Mar 2010	
44	IS 15561:2005	Sugarcane crushers - Safety requirements	Mar 2010	
45	IS 15827:2009	Plastic film for greenhouses - Specification		
46	IS 15828:2009	Design and construction of plastics-lined farm ponds - Code of practice		
47	IS 15829:2009	Cassava chipping machine, hand operated - Specification		
48	IS 15830:2009	Plastic mulch laying machine - Functional requirement - Specification		
49	IS 15831:2009	Grader citrus - Size based		
50	IS 15855:2010	Cotton seed delinting machinery - Surge bin machine - Specification		
51	IS 15856:2010	Cotton seed delinting machinery - pre-heating machine - Specification		
52	IS 15857:2009	Cotton seed delinting machinery - Mobile charging machine - Specification		
53	IS 15858:2013	Cotton seed delinting machinery - Delinting machine with electrical heating and hydraulic system - Specification		
54	IS 15859:2013	Cotton seed delinting machinery - Buffing machine with air jet and nylon brush machine - Specification		
55	IS 15860:2013	Cotton seed delinting machinery - Ammonia cotton seed neutralizer machine with ammonia vaporizer - Specification		
56	IS 15861:2013	Cotton seed delinting machinery - Pollution control system with scrubber, cyclone, chimney, hoods and ducting - Specification		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- 57 IS 15862:2013 Cotton seed delinting machinery - HCL gas generation unit - Specification
- 58 IS 15863:2009 Cotton seed delinting machinery - Inclined flight belt conveyor - Specification

**FINALISED DRAFTS UNDER PRINT**

- 1 DOC.FAD 20(1838) Draft Indian Standard - Manual groundnut decorticator - Method of test

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

- 1 DOC.FAD 20(1839) Draft Indian Standard - Mobile agro processing units - Safety requirements
- 2 DOC.FAD 20(2344) Draft Indian Standard - Oil Expeller (low capacity single screw) - Specification
- 3 DOC.FAD 20(2347) Draft Indian Standard - Agricultural Machinery - Safety - Part II -Pick up Balers (Adoption of ISO 4254-11:2010)
- 4 DOC.FAD 20(2348) Draft Indian Standard - Agricultural grain driers - Determination of drying performance-Part1:General (Adoption of ISO 11520-1:1997)
- 5 DOC.FAD 20(2349) Draft Indian Standard - Agricultural grains driers - Determination of drying performance - Part 2 Additional procedures and Crop Specific requirements (Adoption of ISO 11520-2:2001)

**ASPECT WISE REPORT**

PRODUCT	34
METHODS OF TEST	14
CODES OF PRACTICES	4
TERMINOLOGY	3
SYMBOLS	1
OTHERS	2
<b>TOTAL : 58</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 22 AGRICULTURAL SYSTEMS AND MANAGEMENT

- SCOPE -** A) Systems approach to Agricultural Management including Good Agricultural Practices (GAP)  
 B) Hi-Tech Agricultural Practices viz. Plasticsulture, Protected Agriculture and Precision farming.  
 C) Agricultural Production Systems including Crop, Horticulture, Livestock, Medicinal and Aromatic Plants, Aquaculture and Organic Production Systems.  
 D) Post Harvest Management System for loss free packaging, storage and transport, and value addition related aspects.  
 E) Agricultural Marketing viz. Contract, Corporate Marketing and Direct Marketing relating aspects.  
 F) Other miscellaneous activities related to Agricultural Resource Management

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
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**STANDARDS PUBLISHED**

1	IS 14461:1997	Surface covered cultivation structures - Glossary of terms	Mar 2013	
2	IS 14462:1997	Recommendations for layout, design and construction of green house structures	Mar 2013	
3	IS 14485:1998	Recommendations for heating, ventilation and cooling of green houses	Mar 2013	
4	IS 15175:2002	Surface covered cultivation structures - Establishment and operation of mist chambers - Guidelines	Mar 2013	
5	IS 15177:2002	Surface covered cultivation - Plastic mulching - Code of practice	Mar 2013	
6	IS 15930(Part 1):2010	Requirements for good agricultural practices - India GAP - Part 1 Crop base		

**DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 22(2193)	Draft Indian Standard - Requirements for good agricultural products - India GAP - fruits and vegetable base		
2	DOC.FAD 22(2194)	Draft Indian Standard - Requirements for good agricultural practices - India GAP - combinable crop base		
3	DOC.FAD 22(2195)	Draft Indian Standard - Requirements for good agricultural practices - India GAP-Tea base		
4	DOC.FAD 22(2196)	Draft Indian Standard - Requirements for good agricultural practices- India GAP - coffee base		
5	DOC.FAD 22(2197)	Draft Indian Standards - Requirement for good agricultural practices - India GAP - Livestock base		
6	DOC.FAD 22(2198)	Draft Indian Standards - Requirement for good agricultural practices - India GAP - Poultry base		
7	DOC.FAD 22(2199)	Draft Indian Standards - Requirement for good agricultural practices - India GAP - Cattle and Sheep base		

\* INDICATES STANDARDS UNDER REVISION  
 / INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES EQUIVALENT STANDARDS



## DRAFT STANDARDS COMPLETED WIDE CIRCULATION

1 DOC.FAD 22(2200) Draft Indian Standards - Requirements for good agricultural practices - India GAP - Dairy base

### ASPECT WISE REPORT

CODES OF PRACTICES	5
TERMINOLOGY	1
<b>TOTAL : 6</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 23 BIOTECHNOLOGY FOR FOOD AND AGRICULTURE

**SCOPE -** A) To develop standards, guidelines or recommendations, as appropriate, for food and agricultural products derived from modern biotechnology or traits introduced into food and other articles of human and animal consumptions, by modern biotechnology, on the basis of scientific evidence, risk and analysis and having regard, where appropriate, to other legitimate factors relevant to the health of consumers, biosecurity, and the promotion of fair practices in the food and agricultural products trade.

B) Liaison with ISO/TC 34/SC 16 - 'Horizontal methods for molecular biomarker analysis.'

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
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**STANDARDS PUBLISHED**

1	IS 15887:2010	Principles for the risk analysis of foods derived from modern biotechnology		
2	IS 15888:2010	Guideline for the conduct of food safety assessment of foods derived from recombinant - DNA plants		
3	IS 15889:2011	Guideline for the conduct of food safety assessment of foods produced using recombinant - DNA microorganisms		
4	IS 15955:2010 / ISO	Foodstuffs - Nucleic acid based methods of analysis of genetically modified organisms & derived products - Information to be supplied and procedure for addition of methods to ISO 21569, ISO 21570 or ISO 21571		
5	IS 21569:2009 / ISO	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Qualitative nucleic acid based methods	Mar 2012	
6	IS 21570:2009 / ISO	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Quantitative nucleic acid based methods	Mar 2012	
7	IS 21571:2009 / ISO	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction	Mar 2012	
8	IS 21572:2009 / ISO	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Protein based methods	Mar 2012	
9	IS 24276:2010	Foodstuffs - Method of analysis for the detection of genetically modified organisms and derived products - General requirements and definitions		

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 23(2588)	Draft Amendment No 1 to IS/ ISO 21569:2005 Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Qualitative Nucleic Acid Based Methods (Adoption of Amendment No 1 to ISO 21569:2005)		
2	DOC.FAD 23(2589)	Draft Amendment No 1 to IS/ ISO 21570:2005 Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Quantitative Nucleic Acid Based Methods (Adoption of Amendment No 1 to ISO 21570:2005)		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

- |   |                  |   |
|---|------------------|---|
| 3 | DOC.FAD 23(2590) | Draft Amendment No 1 to IS/ ISO 21571:2005<br>Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction (Adoption of Amendment No 1 to ISO 21571:2005)              |
| 4 | DOC.FAD 23(2591) | Draft Amendment No 1 to IS/ ISO 24276:2006<br>Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - General requirements and definitions (Adoption of Amendment No 1 to ISO 24276:2006) |
| 5 | DOC.FAD 23(2617) | Draft Indian Standard - Foodstuffs - Molecular biomarker analysis - Protein-based methods (First Revision of IS 21572:2004) (Adoption of ISO 21572:2013)  |

**ASPECT WISE REPORT**

METHODS OF TEST	6
CODES OF PRACTICES	2
OTHERS	1
<b>TOTAL : 9</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

FAD 24 READY-TO-EAT FOODS AND SPECIALIZED PRODUCTS

**SCOPE -** A. Special purpose foods# and specialized products, processed nutritious food, snack foods, protein isolates, bakery, confectionery products and all types of ready-to-eat foods\$ (excluding ready to eat fish products and ready-to-eat meat products), their equipments and related items.

C. Liaison with related international bodies.

#Special purpose foods are foods that have been designed to perform a specific function, such as to replace a meal which necessitates a content of essential nutrients which cannot be achieved except by addition of one or more of these nutrients. These foods include but are not limited to foods for special dietary use.

\$ Ready-to-eat-food is food that is ready for consumption and includes food that may be re-heated, portioned or garnished or food that undergoes similar finishing prior to being served.

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1008:2004	Sugar boiled confectionery (second revision)	Nov 2013	1
2	IS 1011:2002	Biscuits - Specification (fourth revision)	Nov 2013	1
3	IS 1158:1973	Specification for Corn flakes (first revision)	Feb 2010	3
4	IS 1159:1981	Specification for Baking powder (first revision)	Feb 2010	1
5	IS 1320:1988	Specification for Baker's yeast (third revision)	Feb 2010	1
6	IS 1483:1988	Specification for White bread (third revision)	Feb 2010	1
7	IS 1484:1974	Specification for Rolled oats (quick cooking type) (first revision)	Feb 2010	
8	IS 1668:1975	Specification for Lozenges (second revision)	Feb 2010	2
9	IS 1960:1979	Specification for Wheatmeal bread (second revision)	Feb 2010	
10	IS 2234:1989	Ready IDLI mix - Specification (first revision)	Feb 2010	1
11	IS 2397:1988	Specification for Wafers (second revision)	Feb 2010	1
12	IS 2650:1975	Specification for BOMBAY HALWA (first revision)	Feb 2010	
13	IS 3137:1974	Specification for High protein mixes for use as food supplements (first revision)	Feb 2010	
14	IS 3839:1989	Food yeast - Specification (first revision)	Feb 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

15	IS 6287:1985	Methods of sampling and analysis for sugar confectionery (first revision)	Feb 2010	1
16	IS 6360:1971	Specification for Lacto bonbon	Feb 2010	2
17	IS 6747:1981	Specification for Chewing gum and bubble gum (first revision)	Feb 2010	4
18	* IS 7021:1973	Specification for Protein rich food supplements for infants and preschool children	Feb 2010	1
19	* IS 7482:1989	Protein-based beverages - Specification (first revision)	Feb 2010	2
20	IS 7487:1986	Specification for Protein enriched biscuits (first revision)	Feb 2010	
21	IS 7592:1989	Peanut chikki (candy) - Specification (first revision)	Feb 2010	
22	IS 8211:1976	Specification for Edible soya protein isolate	Feb 2010	
23	IS 8212:1976	Specification for Edible groundnut protein isolate	Feb 2010	
24	IS 8220:1976	Protein rich concentrated nutrient supplementary foods	Feb 2010	
25	IS 8222:1976	Edible leaf protein concentrate	Feb 2010	1
26	IS 8555:1988	Specification for Bread rusks (first revision)	Feb 2010	2
27	IS 8556:1988	Specification for Bun (first revision)	Feb 2010	
28	IS 8665:1977	Specification for Protein fortified bread	Feb 2010	
29	IS 8678:1977	Specification for Vegetable protein-based yoghurt (vegetable curds)	Feb 2010	
30	IS 9038:1979	Specification for Reconstitutable protein beverage food	Feb 2010	
31	IS 9095:1979	Specification for Protein chewy candy	Feb 2010	
32	IS 9216:1992	Nutrition and nutritious foods - Glossary of terms (first revision)	Feb 2010	
33	IS 9328:1989	Confectionery industry - Glossary of terms (first revision)	Feb 2010	
34	IS 9373:1979	Glossary of terms relating to bakery industry	Feb 2010	
35	IS 9487:1980	Specification for `Ready-to-Eat' protein-rich extruded foods	Feb 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

36	IS 9488:1980	Specification for Edible coconut protein concentrates	Feb 2010	
37	IS 9712:1981	Specification for Cakes	Feb 2010	
38	IS 10038:1981	Specification for Textured plant protein foods prepared by extrusion cooking	Feb 2010	1
39	IS 10619:1983	Specification for Seasoned, spiced and sweetened cashewnuts	Feb 2010	
40	IS 10620:1983	Specification for URD (black gram) VADA Mix	Feb 2010	
41	IS 10621:1983	Specification for Jelebi Mix	Feb 2010	
42	IS 10622:1983	Specification for Dosa Mix	Feb 2010	
43	IS 11231:1985	Milk bread	Feb 2010	
44	IS 12220:1987	Specification for Ready gulab jamun mix	Feb 2010	
45	IS 12230:1987	Specification for Sandwich bread moulds	Feb 2010	1
46	* IS 12516(Part 1):1999 / ISO 5530-1:1997	Methods for determination of physical characteristics of doughs made from wheat flour: Part1 Water absorption and rheological properties using a farinograph (first revision)	Feb 2010	
47	* IS 12516(Part 2):1999 / ISO 5530-2:1997	Methods for determination of physical characteristics of doughs made from wheat flour: Part 2 Rheological properties using an extensograph (first revision)	Feb 2010	
48	IS 12516(Part 3):1988   ISO 5530-3:1988	Methods for determination of physical characteristics of doughs made from wheat flour: Part3 Water absorption and rheological properties using a valorigraph	Feb 2010	
49	* IS 12516(Part 4):1996 / ISO 5530-4:1991	Methods for determination of physical characteristics of doughs made from wheat flour: Part4 Rheological properties using an alveograph (first revision)	May 2012	
50	IS 12564:1989	Fried jack fruit chips - Specification	Feb 2010	1
51	IS 12566:1989	Ready-to-eat extruded snacks - Specification	Feb 2010	1
52	IS 12569:1989	Potato french fries - Specification	Feb 2010	1
53	IS 12574:1989	Fried banana chips - Specification	Feb 2010	1
54	IS 12575:2010	Fried potato chips - Specification (First Revision)		

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

55	IS 12711:1989	Bakery products - Methods of analysis	Feb 2010	1
56	IS 12741:1989	Bakery products - Methods of sampling	Feb 2010	
57	IS 12895:1990	Alga SPIRULINA, food grade - Specification	Feb 2010	1
58	IS 13264:1991	Ready khichdi mix - Specification	May 2012	1
59	IS 13265:1991	Ready vegetable pulav mix - Specification	May 2012	1
60	IS 13266:1991	Instant curried DAL mix - Specification	May 2012	
61	IS 13267:1991	Ready suji-halwa mix - Specification	May 2012	
62	IS 13285:1992	Guidelines for addition of essential nutrients to food	May 2012	
63	IS 13354:1992	Ready upma mix - Specification	Nov 2013	
64	IS 14366:1996	Food Processing machinery - Dough mixers - Safety and hygiene requirements	Nov 2013	
65	IS 14367:1996	Food Processing machinery - Planetary mixers - Safety and hygiene requirements	Nov 2013	
66	IS 15271:2003	Namkeen - Specification	Nov 2013	2

#### **FINALISED DRAFTS UNDER PRINT**

1	DOC.FAD 24(2192)	Draft Amendment No. 1 to IS 9038: 1979 Specification for reconstitutable protein beverage
2	DOC.FAD 24(2586)	Draft Amendment No.1 to IS 9487:1980 Specification for ready to eat protein rich extruded foods

#### **DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT**

1	DOC.FAD 24(2509)	Draft Amendment No. 1 to IS 7592:1989 Peanut chikki (candy) - Specification (first revision)
2	DOC.FAD 24(2510)	Draft Indian Standard - Protein-rich food supplements for infants and preschool children - specification (first revision of IS 7021)

#### **DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

1	DOC.FAD 24(2540)	Draft Indian Standard - Food products — Determination of the glycaemic index (GI) and recommendation for food classification
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\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

## DRAFT STANDARDS ISSUED IN WIDE CIRCULATION

- |   |                  |  |
|---|------------------|--|
| 1 | DOC.FAD 24(2598) | Draft Indian Standard Methods for determination of physical characteristics of doughs made from wheat flour: Part 1 Water absorption and rheological properties using a farinograph (Second Revision of IS 12516 Part 1) (Adoption of ISO 5530-1 : 2013) |
| 2 | DOC.FAD 24(2599) | Draft Indian Standard Methods for determination of physical characteristics of doughs made from wheat flour: Part 2 Rheological properties using an extensograph (Second Revision of IS 12516 Part 2) (Adoption of ISO 5530-2 : 2012)                    |
| 3 | DOC.FAD 24(2600) | Draft Indian Standard - Methods for determination of physical characteristics of doughs made from wheat flour: Part 4 Alveograph properties of dough at constant hydration from commercial or test flours and test milling methodology (Second Revision) |

## DRAFT STANDARDS FORMULATED

- |   |                  |   |
|---|------------------|---|
| 1 | DOC.FAD 24(2433) | Draft Indian Standard - Protein-based nutritive beverages - Specification (first revision of IS 7482)     |
| 2 | DOC.FAD 24(2513) | Draft Indian Standard - Foods for weight reduction - Specification  |
| 3 | DOC.FAD 24(2514) | Draft Indian Standard - Foods for weight control - Specification  |
| 4 | DOC.FAD 24(2655) | Draft Indian Standard - Canned baby foods - Specification   |
| 5 | DOC.FAD 24(2656) | Draft Indian Standard - Guideline for formulated supplementary foods for older infants and young children |

## P-DRAFT UNDER PREPARATION

- |   |                  |  |
|---|------------------|--|
| 1 | DOC.FAD 24(2618) | Draft Indian Standard - Foods for special dietary use for persons intolerant to gluten - Specification             |
| 2 | DOC.FAD 24(2619) | Draft Indian Standard - Special dietary foods with low sodium content (including salt substitutes) - Specification |

## ASPECT WISE REPORT

PRODUCT	57
METHODS OF TEST	5
CODES OF PRACTICES	1
TERMINOLOGY	3
<b>TOTAL :</b>	<b>66</b>

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS



FAD 26 AYURVEDA

**SCOPE -** a) Standardization in the field of Ayurveda, in terms of terminology and quality of standards of ingredients.  
b) Liaison with ISO/TC 249 provisionally titled 'Traditional Chinese medicine'.

<b>Sl. No.</b>	<b>IS Number/ DOC Number</b>	<b>Title</b>	<b>Reaffirm Date</b>	<b>No. of Amd.</b>
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**DRAFT STANDARDS FORMULATED**

1	DOC.FAD 26(2473)	Draft Indian Standard - Ayurveda - Glossary of terms		
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**ASPECT WISE REPORT**

\* *INDICATES STANDARDS UNDER REVISION*  
/ *INDICATES DUAL NUMBER STANDARDS*

\*\* *INDICATES STANDARDS TO BE REVISED*  
/ *INDICATES EQUIVALENT STANDARDS*

FAD 27 PESTICIDE RESIDUES ANALYSIS

**SCOPE -** Methods of test for estimation of pesticide residues in agricultural and food products

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 5863:1985	Methods for determination of malathion residues in food commodities (first revision)	Nov 2009	1
2	IS 5864:1983	Methods for determination of DDT residues in food commodities (first revision)	Nov 2009	1
3	IS 5952:1970	Method for determination of parathion residues	Nov 2009	
4	IS 6169:1983	Methods for determination of BHC, (HCH) residue in food commodities (first revision)	Nov 2009	
5	IS 10169:1982	Methods for determination of carbaryl residues in fruits and vegetables	Nov 2009	
6	IS 10629:1983	Methods for determination of Aldicarb residues in crops, soil and water	Nov 2009	1
7	IS 10630:1983	Methods for determination of methyl parathion residues in foods	Nov 2009	
8	IS 11020:1984	Methods for determination of carbofuran residues in crops, soil and water	Nov 2009	1
9	IS 11021:2004	Methods for determination of dimethoate residues in food commodities (first revision)	Nov 2009	
10	IS 11301:1985	Methods for determination of phosalone residues in food commodities	Nov 2009	
11	IS 11374:1985	Methods for determination of monocrotophos residues in foods	Nov 2009	
12	IS 11380:1985	Method of sampling for determination of pesticide residues in agricultural and food commodities	Nov 2009	2
13	IS 11773:2003	Method for determination of ethion residues in food commodities (first revision)	Nov 2009	
14	IS 11774:1986	Method for determination of dichlorvos residues in food commodities	Nov 2009	
15	IS 12335:1988	Method for determination of propoxur residues in food commodities	Nov 2009	
16	IS 12336:1988	Method for determination of diazinon residues in food commodities	Nov 2009	
17	IS 12365:1988	Method for determination of chlorpyrifos residues in food commodities	Nov 2009	
18	IS 12609:1989	Pesticides - Determination of residues in foods - Fenthion	Nov 2009	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

19	IS 12610:1989	Pesticides - Determination of residues in foods - Phosphamidon	Nov 2009
20	IS 12611:1989	Pesticides - Determination of residues in foods and water - Endosulfan	Nov 2009
21	IS 12616:1989	Pesticide residues in foods - Cypermethrin, deltamethrin, fenvalerate and permethrin - Method for determination	Nov 2009
22	IS 13829:1993	Pesticide - Method for determination of residues in agricultural and food commodities, soil and water - Atrazine and simazine	Nov 2009
23	IS 13830:1993	Pesticide - Method for determination of residue in agricultural and food commodities, soil and water - Captafol	Nov 2009
24	IS 13831:1993	Pesticide - Method for determination of residues in agricultural and food commodities, soil and water - Acephate and its toxic metabolite, methamidofos	Nov 2009
25	IS 13832:1993	Pesticide - Method for determination of residues in agricultural and food commodities, soil and water - Dithiocarbamate	Nov 2009
26	IS 14161:1994	Pesticide - Determination of metalaxyl residues in agricultural and food commodities, soil and water	Nov 2009
27	IS 14162:1994	Determination of fosetyl Al residues in agricultural and food commodities	Nov 2009
28	IS 14311:1995	Determination of lindane (GAMMA BHC) residues in agricultural and food commodities	Nov 2009
29	IS 14437:1997	Method for determination of quinalphos residues in agricultural and food commodities	Nov 2009
30	IS 14626:1999	Method for determination of total bromide residues in grains and food commodities fumigated with methyl bromide	Nov 2009
31	IS 14627:1999	Method for determination of carbendazim residues in agriculture and food commodities	Nov 2009
32	IS 14628:1999	Method for determination of chlorinated pesticide residues in agricultural and food commodities by multiple residues technique	Nov 2009
33	IS 14629:1999	Method for determination of dicofol residues in agricultural and food commodities	Nov 2009
34	IS 14857:2000	Method for determination of 2,4-D residues in agricultural and food commodities	Nov 2009
35	IS 14913:2001	Method for determination of synthetic phrethroids in agricultural and food Commodities	Mar 2012
36	IS 14914:2001	Method for determination of phorate residues in agricultural and food commodities, soil and water	Mar 2012
37	IS 14922:2001	Multiresidue methods for the determination of organo phosphorus compounds (Monochrotophos, anilophos, phosalone, temphos, isazophos, triazophos and chlorpyrifos)	Mar 2012

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

38	IS 15669:2006 / ISO 10695:2000	Water quality - Determination of selected organic nitrogen and phosphorus compounds - Gas chromatographic method	Mar 2012
39	IS 15670:2006 / ISO 6468:1996	Water quality - Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas chromatographic method after liquid -liquid extraction	Mar 2012

**ASPECT WISE REPORT**

METHODS OF TEST	39
<b>TOTAL : 39</b>	

*\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS*

*\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS*

## FAD 28 TEST METHODS FOR FOOD PRODUCTS

**SCOPE -** Horizontal methods of test for food products including physical, chemical and sensory evaluation excluding the microbiological methods of test covered under the scope of FAD 15 and methods of test for estimation of pesticide residues covered under the scope of FAD 27

SI. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 5126:1996 / ISO 5492:1992	Sensory analysis - Vocabulary (first revision)	May 2012	
2	IS 5398:1969	Methods for estimation of thiamine (vitamin B-1) in foodstuffs	Feb 2010	
3	IS 5399:1969	Methods for estimation of riboflavin (vitamin B-2) in foodstuffs	Feb 2010	
4	IS 5400:1969	Methods for estimation of nicotinic acid (Niacin) in foodstuffs	Feb 2010	
5	IS 5835:1970	Method for estimation of Vitamin D in foodstuffs	Feb 2010	
6	IS 5838:1970	Methods for estimation of Vitamin C in foodstuffs	Feb 2010	
7	IS 5886:1970	Methods for estimation of carotenes and Vitamin A (Retinol) in foodstuffs	Feb 2010	
8	IS 6273(Part 1):1971	Guide for sensory evaluation of foods: Part 1 Optimum requirements	May 2012	
9	IS 6273(Part 2):1971	Guide for sensory evaluation of foods: Part 2 Methods and evaluation cards	May 2012	
10	IS 6273(Part 3/Sec 1):1983	Guide for sensory evaluation of foods: Part 3 Statistical analysis of data: Section 1 Difference/preference tests (first revision)	May 2012	
11	IS 6273(Part 3/Sec 2):1983	Guide for sensory evaluation of foods: Part 3 Statistical analysis of data: Section 2 Ranking and scoring tests (first revision)	May 2012	
12	IS 7219:1973	Method for determination of protein in foods and feeds	Feb 2010	
13	IS 7234:1974	Method for estimation of folic acid in foodstuffs	Feb 2010	
14	IS 7235:1974	Method for estimation of tocopherols (vitamin E) in food stuffs	Feb 2010	
15	IS 7481:1974	Method for determination of protein efficiency ratio (PER)	Feb 2010	
16	IS 7529:1975	Method for estimation of Vitamin B-12 in foodstuffs	Feb 2010	
17	IS 7530:1975	Method for estimation of pyridoxine (Vitamin B-6) in foodstuffs	Feb 2010	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

18	IS 7815:1975	Method for estimation of amino acids in foodstuffs	Feb 2010	1
19	IS 7997:1976	Guide for tasting products of intense flavour	May 2012	
20	IS 8077:1976	Procedure for checking technique of quick frozen food	Feb 2010	
21	IS 8140:1976	Guide for selection of panel for sensory evaluation of foods and beverages	May 2012	
22	IS 8168:1976	Method for determination of available lysine in foods	Feb 2010	
23	IS 8639:1977	Code for evaluation of the effect of packaging and storage on the sensory qualities of foods and beverages	May 2012	
24	IS 9820:1981	Method for estimation of biotin in foodstuffs	Feb 2010	
25	IS 9840:1981	Method for estimation of pantothenic acid in foodstuffs	Feb 2010	
26	IS 10226(Part 1):1982 / ISO 5498:1981	Method for determination of crude fibre content: Part 1 General method	Feb 2010	
27	IS 10226(Part 2):1982   ISO 6541:1981	Method for determination of crude fibre content: Part 2 Modified scharrer method	Feb 2010	
28	IS 10641:1983	Recommended methods for determination of aroma and taste thresholds	Feb 2010	
29	IS 10642:1983	General guidelines for consumer sensory evaluation of foods and beverages	Feb 2010	
30	IS 10643:1983	Sensory evaluation procedure to establish guidelines for open dating processed food products	Feb 2010	
31	IS 11062:1984	Method for estimation of total dietary fibre in foodstuffs	Feb 2010	
32	IS 12014(Part 1):1986	Methods for determination of organic preservatives in foodstuffs: Part 1 Benzoic acid and its salts	May 2012	
33	IS 12014(Part 2):1986	Methods for determination of organic preservatives in foodstuffs: Part 2 Propionic acid and its salts	May 2012	
34	IS 12014(Part 3):1986	Methods for determination of organic preservatives in foodstuffs: Part 3 Sorbic acid and its salts	May 2012	
35	* IS 15285:2003 / ISO 5496:1992	Sensory analysis - Methodology - Initiation and training of assessors in the detection and recognition of odours	Nov 2013	
36	IS 15286:2003 / ISO 5497:1982	Sensory analysis - Methodology - Guidelines for the preparation of samples for which direct sensory analysis is not feasible	Nov 2013	
37	IS 15315:2003 / ISO 6564:1985	Sensory analysis - Methodology - Flavour profile methods	Nov 2013	
38	* IS 15316:2003 / ISO 8589:1988	Sensory analysis - General guidance for the design of test rooms	Nov 2013	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

39	* IS 15317(Part 1):2003 / ISO 8586-1:1993	Sensory analysis - General guidance for the selection, training and monitoring of assessors - Part 1 Selected assessors	Nov 2013	
40	* IS 15317(Part 2):2003 / ISO 8586-2:1993	Sensory analysis - General guidance for the selection, training and monitoring of assessors - Part 2 Experts	Nov 2013	
41	IS 15642:2006	Quick methods for detection of adulterants/Contaminants in common food products (Parts 1 and 2)	Apr 2011	1
42	IS 15733:2006	Portable kit for quick detection of adulterants/contaminants in common food products - Specification	Apr 2011	

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.FAD 28(2595)	Draft Indian Standard Sensory analysis~ Vocabulary (Second Revision of IS 5126) (Adoption of ISO 5492 : 2008)
2	DOC.FAD 28(2604)	Draft Indian Standard Sensory analysis~ Methodology~ Initiation and training of assessors in the detection and recognition of odours (First Revision of IS 15285) (Adoption of ISO 5496 : 2006)
3	DOC.FAD 28(2605)	Draft Indian Standard Sensory analysis~ General guidance for the design of test rooms (First Revision of IS 15316) (Adoption of ISO 8589 : 2007)
4	DOC.FAD 28(2606)	Draft Indian Standard Sensory analysis~ General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (Superseding IS 15317 Part 1 and Part 2) (Adoption of ISO 8586 : 2012)
5	DOC.FAD 28(2609)	Draft Indian Standard Foodstuffs~ Determination of aflatoxin B1, and the total content of aflatoxins B1, B2, G1 and G2 in cereals, nuts and derived products~ High-performance liquid chromatographic method (Adoption of ISO 16050 : 2003)

**ASPECT WISE REPORT**

METHODS OF TEST	32
CODES OF PRACTICES	9
TERMINOLOGY	1
<b>TOTAL : 42</b>	

\* INDICATES STANDARDS UNDER REVISION  
/ INDICATES DUAL NUMBER STANDARDS

\*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES EQUIVALENT STANDARDS

**ANNEX I**  
**STANDARDS WITHDRAWN / SUPERSEDED**

Sl. No.	Committee No.	IS No./ DOC Number	Title
1	2	IS 499:1958	Methods of test for vacuum pan sugar (plantation white) (superseded by IS 5982)
2	13	IS 558:1954	Linseed oil, pharmaceutical (superseded by IS 75)
3	1	IS 560:1980	BHC, Technical and refined (third revision) (To be kept under abeyance)
4	1	IS 561:1978	BHC, (HCH) Dusting powders (fourth revision)
5	1	IS 562:1978	BHC, (HCH) Water dispersible powder concentrates (fourth revision)
6	1	IS 564:1984	DDT Dusting powders (third revision)
7	1	IS 588:1978	Mosquito larvicidal oil (second revision)
8	16	IS 600:1986	Code of practice for construction of BUKHARI type rural foodgrain storage structures (first revision)
9	16	IS 601:1986	Code of practice for construction of KOTHAR type rural foodgrain storage structures (first revision)
10	16	IS 602:1986	Code of practice for construction of MORAI type rural foodgrain storage structures (first revision)
11	16	IS 603:1983	Code of practice for construction of underground rural foodgrain storage structures (first revision)
12	13	IS 604:1959	Code of practice for construction of foodgrain storage structures suitable for trade and government purposes for the northern region (withdrawn and amalgamated in IS 607)
13	13	IS 605:1960	Code of practice for construction of foodgrain storage structures suitable for trade and government purposes for the central region (withdrawn and amalgamated in IS 607)
14	13	IS 606:1955	Code of practice for construction of foodgrain storage structures suitable for trade and government purposes for the eastern region (withdrawn and amalgamated in IS 607)
15	16	IS 607:1971	Code of practice for construction of bagged foodgrain storage (second revision)
16	13	IS 608:1955	Code of practice for construction of foodgrain storage structures suitable for trade and government purposes for the coastal region (withdrawn and amalgamated in IS 607)
17	13	IS 610:1955	Code of practice for storage of foodgrain and its protection during storage {superseded by IS 6151(Part II)}
18	13	IS 611:1955	Code of practice for handling of foodgrain in transit {superseded by IS 6151(Part II)}
19	17	IS 621:1978	Forks for plantations and estates (first revision) (Superseded by IS 14541:1998)
20	1	IS 881:1956	BHC, refined
21	1	IS 1052:1962	Dieldrin, technical (revised)
22	1	IS 1053:1962	Dieldrin water dispersible powder concentrates (revised)
23	1	IS 1054:1962	Dieldrin emulsifiable concentrates (revised)
24	19	IS 1183:1965	Density hydrometers for use in milk (revised)
25	5	IS 1291:1958	Cattle licks (plain and mineralized) (superseded by IS 920:1972)
26	1	IS 1306:1974	Aldrin, technical (first revision)
27	1	IS 1307:1988	Aldrin EC (third revision)



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28	1	IS 1308:1984	Aldrin DP (second revision)
29	1	IS 1309:1974	Endrin, technical (first revision)
30	1	IS 1310:1974	Endrin emulsifiable concentrates (first revision)
31	1	IS 1311:1966	Ethylene dibromide (first revision)
32	19	IS 1373:1981	Tinned mild steel milk cans (third revision)
33	1	IS 1505:1968	GAMMA - BHC (Lindane) smoke generators (first revision)
34	5	IS 1509:1972	Specification for tapioca as livestock feed (first revision)
35	5	IS 1510:1959	Tapioca flour for animal food
36	19	IS 1516:1972	Milk strainer (first revision)
37	19	IS 1517:1972	Tinned mild steel milking pails (hooded type)
38	19	IS 1547:1985	Infant milk food (second revision)
39	19	IS 1613:1960	Specification for Milk bottle crates
40	18	IS 1657:1960	Special infant foods
41	16	IS 1667:1981	Toffees (second revision) (to be withdrawn)
42	2	IS 1679:1960	Sugar used in food preservation industry
43	8	IS 1696:1974	Amaranth, food grade (first revision)
44	19	IS 1705:1972	Specification for Aluminium foil for milk bottle caps (first revision) (To be withdrawn)
45	5	IS 1714:1960	Methods of sampling and test for oilcakes as livestock feed {superseded by IS 7874(Part 1)}
46	19	IS 1733:1960	Aluminium milk strainers (superseded by IS 1516)
47	4	IS 1770:1961	CHUTTAS (country cheroots)
48	19	IS 1792:1966	Aluminium milking pails (hooded type) (revised)
49	18	IS 2003:1962	Malted milk food containing cocoa powder (superseded by IS 1806)
50	1	IS 2125:1962	Phenyl mercury salicylate, technical
51	1	IS 2126:1993	Phenyl mercury acetate, technical (first revision)
52	1	IS 2128:1973	Specification for parathion ethyl, technical (first revision)
53	1	IS 2129:1962	Parathion emulsifiable concentrates
54	19	IS 2143:1962	Open surface milk coolers (with tinned copper tubes)
55	19	IS 2144:1962	Specification for Hand-operated bottle washer (To be withdrawn)
56	19	IS 2145:1962	Specification for Hand bottle filler (To be withdrawn)
57	19	IS 2146:1962	Specification for Hand-operated cap sealer for milk bottles (To be withdrawn)
58	19	IS 2235:1962	Cheese vats
59	17	IS 2238:1979	Spades and SEPRANGS (first revision)
60	19	IS 2242:1975	Ice chambers for 40 and 50 litre milk cans (first revision)
61	7	IS 2256:1972	Ammonium sulphate nitrate (Withdrawn)
62	19	IS 2337:1963	Aluminium milk vats
63	12	IS 2345:1985	Dried prawns/shrimps (second revision)
64	1	IS 2353:1963	Phenyl mercury chloride (PMC), technical
65	1	IS 2354:1963	Ethyl mercury chloride technical
66	1	IS 2355:1963	Stabilized ethoxy ethyl mercury chloride concentrate
67	1	IS 2356:1963	Formulations based on phenyl mercury salicylate

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68	1	IS 2357:1963	Formulations based on phenyl mercury acetate
69	1	IS 2359:1963	Formulations based on stabilized ethoxy ethyl mercury chloride concentrate
70	12	IS 2420:1985	Mackerel (RASTRELLIGER sp) canned in oil (second revision)
71	12	IS 2421:1981	Sardiness (SARDINELLA sp) canned in oil (second revision)
72	9	IS 2444:1980	Coriander, powder (first revision)
73	9	IS 2445:1984	Chilli, powder (first revision) (To be withdrawn)
74	9	IS 2446:1980	Turmeric powder (first revision)
75	19	IS 2494:1963	V-belts for industrial purposes (first revision)
76	19	IS 2496:1963	Butter mould
77	19	IS 2497:2000	Wooden butter scoop
78	19	IS 2499:1979	Butter scotch hand (first revision)
79	5	IS 2503:1986	Decorticated safflower (KARDI) oilcake as livestock feed ingredient (first revision)
80	1	IS 2555:1963	Official test insecticide (OTI)
81	11	IS 2564:1979	Animal drawn blade Harrow 'GUNTAKA' type (first revision)
82	19	IS 2648:1964	Pipe washing and sterilizing chest
83	19	IS 2649:1964	Hand-operated butter worder
84	1	IS 2682:1984	Chlordane, EC (second revision)
85	19	IS 2703:1964	Hand-operated butter chum (end-over-end)
86	19	IS 2706:1964	Batch pasteurizer (aluminium)
87	10	IS 2773:1964	Cauliflower
88	10	IS 2774:1964	Cabbage
89	10	IS 2775:1964	Carrots
90	10	IS 2776:1964	Brinjals (egg plant)
91	10	IS 2777:1964	Peas-in-pods
92	10	IS 2778:1964	Tomatoes
93	9	IS 2799:1964	Mustard, whole for use as condiment
94	16	IS 2814:1978	Method for sampling of smaller size foodgrains (first revision)
95	16	IS 2815:1964	Slotted tube sampler
96	16	IS 2816:1964	Grain sampler (PARKHI type)
97	16	IS 2821:1964	Thermo-sampler
98	19	IS 2822:1964	Butter moulding machine
99	1	IS 2863:1994	Chlordane, technical
100	1	IS 2864:1984	Chlordane, DP (Second revision)
101	12	IS 2883:1985	Dried white baits (STOLEPHORUS sp) (second revision)
102	12	IS 2884:1979	Dried and laminated Bombay Duck (first revision)
103	12	IS 2885:1975	Specification for Frozen frog legs (first revision)
104	8	IS 2924:1974	Fast red E, food grade (first revision)
105	17	IS 3153:1979	Threshers, olpad type (first revision)
106	5	IS 3162:1965	Specification for gram husk
107	17	IS 3185:1965	'V' blade hand hoe (Superseded by IS 14540:1998)
108	10	IS 3197:1965	Onions

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109	5	IS 3198:1965	Specification for Fodder yeast
110	10	IS 3240:1965	Garlic
111	17	IS 3292:1965	Three tined hand hoe, fixed type (Superseded by IS 14540:1998)
112	17	IS 3293:1965	Levelling `KARAHHA' (KENI), animal drawn
113	17	IS 3301:1965	Green manure trampler, animal drawn
114	17	IS 3350:1965	Three-tined cultivator with seeding attachment, animal drawn
115	17	IS 3360:1965	Soil scoop
116	17	IS 3363:1965	Harrow, `PATELA'
117	16	IS 3453:1966	Code of practice for construction of hexagonal type concrete-cum-masonry bins for bulk storage of foodgrains
118	17	IS 3467:1966	Wheel hand hoe (Superseded by IS 14540:1998)
119	13	IS 3471:1966	Solvent-extracted coconut oil (superseded by IS 542)
120	13	IS 3472:1966	Solvent-extracted cottonseed oil (superseded by IS 543)
121	13	IS 3473:1966	Solvent-extracted groundnut oil (superseded by IS 544)
122	13	IS 3474:1966	Solvent-extracted linseed oil (superseded by IS 75)
123	13	IS 3475:1966	Solvent-extracted MAHUA (MOWRAH)oil (superseded by IS 545)
124	10	IS 3570:1965	Nomenclature of fruits
125	19	IS 3662:1966	Insulated aluminium milk storage tanks
126	10	IS 3712:1966	Radish
127	10	IS 3713:1966	Knol Khol
128	16	IS 3714:1978	Method for sampling of bigger size foodgrains (first revision)
129	10	IS 3718:1966	Limes, fresh
130	19	IS 3719:1966	Open surface milk coolers (with aluminium tubes)
131	16	IS 3729:1966	Corn sampler (PARKHI type) (To be withdrawn)
132	10	IS 3801:1966	Guavas
133	12	IS 3849:1976	Mackerel (RASTRELLIGER sp) canned in brine (first revision)
134	12	IS 3850:1973	Dry-salted threadfin (DARA) and dry-salted jewfish (GHOL) (first revision)
135	12	IS 3851:1966	Dry-salted catfish
136	12	IS 3852:1985	Dry-salted leather jackets (CHORINEMUS sp) (first revision)
137	12	IS 3853:1985	Dry-salted horse mackerels (CARANX sp) (first revision)
138	3	IS 3891:1974	Layout for honey processing plant (first revision) (To be withdrawn)
139	20	IS 3939:1979	Maize sheller, manually-operated (first revision)
140	1	IS 4015(Part 2):1967	Guide for handling cases of pesticides poisoning Part 2 symptoms, diagnosis and treatment (superseded by IS 4015:1998)
141	5	IS 4018:1967	Broiler feeds (incorporated in IS 1374)
142	17	IS 4065:1967	Watering cans
143	19	IS 4192:1967	Aluminium farm milk cooling tanks
144	10	IS 4194:1967	Mustard and rape seeds for propagation purposes
145	13	IS 4219:1967	Rice bran oil, edible grades (superseded by IS 3448)
146	13	IS 4220:1967	Solvent-extracted sesame oil (superseded by IS 547)
147	10	IS 4232:1967	Turnip
148	10	IS 4233:1967	Beets

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149	10	IS 4234:1967	Sweet potato
150	10	IS 4235:1967	Chillies, fresh
151	10	IS 4243:1967	Mandarins
152	12	IS 4302:1985	Dry-salted Mackerel (first revision)
153	1	IS 4325:1967	Binapacryl emulsifiable concentrates
154	1	IS 4345:1967	Binapacryl, Technical
155	9	IS 4405:1967	Cloves powder (superseded by IS 4404)
156	18	IS 4421:1967	Malted skimmed milk food
157	13	IS 4427:1967	Grading for groundnut kernels for oil milling and for table use
158	13	IS 4428:1967	Grading for mustard seeds for oil milling
159	13	IS 4429:1967	Grading for sesame seeds for oil milling
160	1	IS 4451:1967	Toxaphene, technical
161	11	IS 4468(Part 3):1993	Agricultural wheeled tractors - Rear mounted three point linkage: Part 3
			Category 4
162	13	IS 4617:1968	Grading for linseed for oil milling
163	13	IS 4618:1968	Grading for castor seeds for oil milling
164	13	IS 4619:1968	Grading for MAHUA kernels for oil milling
165	13	IS 4620:1968	Grading for cottonseeds for oil milling
166	19	IS 4742:1968	Setting tanks for ghee (aluminium)
167	19	IS 4767:1968	Steam-jacketed ghee pans (aluminium)
168	12	IS 4781:1978	Threadfin, fresh (first revision)
169	16	IS 4782:1968	Method for determination of sedimentation value of wheat (flour)
170	12	IS 4796:1977	Threadfin, frozen (first revision)
171	19	IS 4937:1968	Insulated aluminium milk cans
172	10	IS 4939:1968	Methods of test for products derived from fruits and vegetables
173	16	IS 4940:1968	Sampler divider (To be withdrawn)
174	5	IS 5064:1980	Specification for tapioca spent pulp as livestock feed (first revision)
175	18	IS 5163:1969	Sweet cream butter milk powder
176	12	IS 5198:1985	Dry-salted seer fish (first revision)
177	12	IS 5199:1985	Dry-salted shark (first revision)
178	13	IS 5292:1969	Grading for safflower seeds for oil milling
179	13	IS 5293:1969	Grading for niger seeds for oil milling
180	13	IS 5294:1969	Grading for KUSUM seeds for oil milling
181	16	IS 5315:1978	Methods of sampling for milled cereals and pulses products (first revision)
182	8	IS 5344:1969	Butylated hydroxytoluene, food grade
183	7	IS 5407:1969	Ammonium phosphate sulphate granular (Withdrawn)
184	7	IS 5408:1969	Fused calcium magnesium phosphate (withdrawn)
185	12	IS 5471:1969	Dried shark fins
186	12	IS 5472:1985	Fish maws (first revision)
187	1	IS 5526:1969	Coumafuryl, technical (To be withdrawn)
188	6	IS 5605(Part 3):1970	Farm cattle shed for GAUSHALAS and other organized milk producers (superseded by IS 11942)

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189	12	IS 5735:1970	Recommendation for cleanliness in fish industry
190	12	IS 5736:1985	Dry-salted SURAI (TUNA) (first revision)
191	16	IS 5826:1970	Constructional requirements for flat storage structures for grains (capacity above 200 tonnes)
192	18	IS 5962:1970	Partly skimmed sour milk powder
193	17	IS 6023:1970	Reversible shovel (Superseded by IS 3342:1998)
194	8	IS 6029:1977	Green S, food grade (first revision)
195	12	IS 6032:1971	Mackerel, fresh
196	12	IS 6033:1971	Mackerel, frozen
197	16	IS 6201:1971	Constructional requirements for flat storage structures for grains (100 to 200 tonnes capacity)
198	13	IS 6220:1971	Grading of copra for table use and for oil milling
199	17	IS 6327:1971	One way animal drawn mouldboard plough shares (Superseded by IS 2192:1998)
200	19	IS 6387:1987	Specification for Vegetable protein infant food with milk (first revision) (To be withdrawn)
201	19	IS 6397:1992	Code for pasteurization of milk (first revision) (To be withdrawn)
202	1	IS 6429:1981	Heptachlore, DP (first revision)
203	1	IS 6432:1972	Heptachlore, technical
204	1	IS 6439:1978	Heptachlore, EC (first revision)
205	17	IS 6451:1972	Sweep (Superseded by IS 3342:1998)
206	17	IS 6459:1972	Two-way animal drawn mould board plough shares
207	11	IS 6460:1980	Technical requirements for ball and socket assembly for three-point linkage (first revision)
208	5	IS 6543:1972	Glass artificial insemination pipettes for cattles
209	12	IS 6677:1972	Sardines (SARDINELLA sp) caned in brine
210	17	IS 6816(Part 1):1973	Fluted feed roller type seed metering mechanism: Part 1 Seed feed rollers
211 cut-	17	IS 6816(Part 2):1973	Fluted feed roller type seed metering mechanism: Part 2 Seed feed off
212 ring	17	IS 6816(Part 3):1973	Fluted feed roller type seed metering mechanism: Part 3 Retaining and cover
213 cup	17	IS 6816(Part 4):1973	Fluted feed roller type seed metering mechanism: Part 4 Seed feed cup
214	17	IS 6817(Part 1):1973	Plate type seed metering mechanism: Part 1 Seed plates
215	17	IS 6817(Part 2):1973	Plate type seed metering mechanism: Part 2 Seed feed rollers
216	20	IS 6983:1973	Rollers and axles for sugarcane crushers (To be withdrawn)(Superseded by IS 1973:1999)
217	18	IS 7035:1973	Fermented milk products
218	5	IS 7061:1973	Specification for calcined bone meal as livestock feed supplement
219	1	IS 7158:1973	Isobornyl thiocyanacetate (thanite) technical
220	15	IS 7247(Part 2):1974	Code of practice for fumigation of agricultural produce: Part 2 Ethylene dibromide
221	16	IS 7247(Part 2):1974	Code of practice for fumigation of agricultural produce: Part 2 Ethylene dibromide

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222	10	IS 7254(Part 1):1974	Methods of test for determining preservatives in fruit and vegetable products: Part 1 Benzoic acid
223	17	IS 7256:1974	Plain spool for animal drawn disc harrows (Superseded by IS 3606:1998)
224	17	IS 7353:1974	Blade for tractor operated terracer
225	17	IS 7361:1974	Tines for animal-drawn cultivators (Superseded by IS 3342:1998)
226	16	IS 7464:1988	Wheat flour (MAIDA) for use in bread industry (first revision) (suoverseded by IS 7463:2004)
227	10	IS 7470:1974	Nomenclature of vegetables
228	12	IS 7581:1975	Basic requirements for fresh-fish stalls (To be withdrawn)
229	4	IS 7753:1989	Method for expression of analytical test results of tobacco (first revision) Tobe withdrawn)
230	13	IS 7787:1975	Grading for NEEM kernel and depulped NEEM seeds for oil milling
231	17	IS 7789:1975	Sugarcane stripper
232	13	IS 7797:1975	Grading for soyabeans for oil milling
233	13	IS 7798:1975	Grading for sunflower seeds for oil milling
234	17	IS 7825(Part 1):1975	Cylinder type hand lawn mower: Part 1 Wheel type
235	17	IS 7825(Part 2):1975	Cylinder type hand lawn mower: Part 2 Roller type
236	10	IS 7838:1975	Glossary of terms for ornamental trees and shrubs
237	3	IS 7849(Part 1):1975	Layout for honey house: Part 1 Large scale honey handling units_ (To be withdrawn)
238	17	IS 7926:1975	Classification of soil for testing of agricultural machinery
239	1	IS 7944:1976	Quintozene dusting powders (Withdrawal under process) (To be withdrawn)
240	1	IS 7946:1976	Toxaphene emulsifiable concentrates
241	1	IS 7947:1976	Toxaphene dusting powders
242	1	IS 7949:1976	Quintozene water dispersible powder concentrates (To be withdrawn)
243	1	IS 7977:1976	Disulfoton, technical (To be withdrawn)
244	1	IS 7985:1976	Quintozene, technical (To be withdrawn)
245	16	IS 7999:1998	Tasting glass for liquid samples
246	12	IS 8082:1976	Basic requirement for a fish market (To be withdrawn)
247	17	IS 8179:1976	Garden dutch hoe (Superseded by IS 14540:1998)
248	13	IS 8428:1977	Grading for KARANJA seeds for oil milling
249	13	IS 8443:1977	Grading for tobacco seeds for oil milling
250	17	IS 8463:1987	Axle assembly for agricultural tractor-trailer (first revision)
251	3	IS 8464:1977	Squeezed honey
252	2	IS 8465:1990	Cane carrier chains (first revision)(To be withdrawn)
253	2	IS 8466:1990	Baggasse carrier chains (first revision)(To be withdrawn)
254	3	IS 8512:1977	Carvia callosa honey
255	13	IS 8557:1977	Grading for KOKUM kernels for oil milling
256	7	IS 8559:1977	Specification for MAHUA cake for manuring (To be withdrawn)
257	16	IS 8574:1977	Maize SUJI or RAVA (Semolina)
258	12	IS 8652:1977	Sardines frozen

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259	12	IS 8653:1977	Sardines fresh
260	4	IS 8700:1977	Basic requirements for a stall for sale of meat of large animals
261	17	IS 8781:1978	Single row jute seed drills, manually operated
262	16	IS 8806:1978	Pan goods confectionery (Dragees) (to be withdrawn)
263	12	IS 8836:1985	Dry-salted DHOMA (first revision)
264	13	IS 8882:1978	Grading for Khakan seeds for oil milling
265	17	IS 8942:1978	Orchard ladder
266	1	IS 8956:1978	Nitrofen, technical
267	1	IS 8957:1978	Nitrofen EC
268	2	IS 9054:1983	Inter-carrier slats (first revision)(To be withdrawn)
269	2	IS 9069:1979	Inter-carrier chains (To be withdrawn)
270	19	IS 9105:1979	Apparatus for determination of fat in cheese by Van Gulic method
271	17	IS 9129:1979	Technical requirements for safe feeding systems for power threshers
272	16	IS 9194:1979	Wheat flour for use in cake industry
273	17	IS 9218:1979	Triangular shovels for animal drawn cultivators (Superseded by IS 3342:1998)
274	17	IS 9219:1993	Seeding attachment for animal drawn cultivators (first revision) (Superseded by IS 3342:1998)
275	12	IS 9312:1979	Mackerel canned in curry
276	9	IS 9345:1979	Oleoresin, chillies (capsicum)
277	1	IS 9352:1980	Sodium cyanide, pesticidal grade
278	1	IS 9367:1980	Disulfoton granules, encapsulated (To be withdrawn)
279	1	IS 9371:1980	Specification for aldicarb granules encapsulated
280	11	IS 9545(Part 1):1980	Drawbar for agricultural tractors: Part 1 Link type (superseded by IS 12958)
281	11	IS 9545(Part 2):1982	Drawbar for agricultural tractors: Part 2 Swinging type (superseded by IS 12954)
282	5	IS 9599:1980	Specification for Rubber seed cake as livestock feed
283	7	IS 9747:1981	Anhydrous ammonia as fertilizer material (Withdrawn)
284	12	IS 9750:1981	Sardines, canned in tomato sauce
285	11	IS 9934:1981	Guide for safety and comfort of operator of agricultural tractor
286	2	IS 9952:1981	Batch type centrifugal liners for final massecuite for sugar industry (To be withdrawn)
287	19	IS 9967:1997	Cheese - Determination of nitrate and nitrite content - Method by cadmium reduction and photometry (first revision )
288	13	IS 9993:1981	Grading for DHUPA kernel for oil milling
289	13	IS 10006:1981	Grading for NAHOR kernels for oil milling
290	17	IS 10205:1982	Cotton stalk puller
291	1	IS 10266:1982	Nitrofen granules
292	1	IS 10268:1982	Specification for chlorfenvinphos, technical
293	1	IS 10296:1982	Captafol water dispersible powders
294	20	IS 10341:1982	Recommended sizes and capacities for oil expellers(single chambers)
295	1	IS 10355:1990	Copper aceto-arsenite (first revision) (To be withdrawn)
296	16	IS 10404:1988	Method for determination of cooking quality of raw milled rice

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297	16	IS 10524:1982	Colorimetric determination of alpha-amylase activity in cereals and cereal products
298	17	IS 10618:1983	Pictorial representation for cautionary notices for power threshers
299	5	IS 10670:1983	Specification for virginia tobacco seedcake as livestock feed ingredient
300	5	IS 10671:1983	Specification for Mango seed kernals as livestock feed ingredient
301	11	IS 10755:1983	Technical requirements for mountings for front ballast weights of agricultural tractors (ISO 7071:1981)
302	12	IS 10761:1983	Sardine canned in curry
303	17	IS 10778(Part 1):1983	Furrow opener for seed-cum-fertiliser drills: Part I Shovel type
304	17	IS 10778(Part 2):1983	Furrow opener for seed-cum-fertilizer drills: Part 2 Shoe type
305	17	IS 10778(Part 3):1983	Furrow opener for seed-cum-fertilizer drills: Part 3 Disc type
306	17	IS 10807:1984	Axles with brakes of trailer for power tillers
307	16	IS 10834:1984	Maize MAIDA
308	1	IS 11009:1984	Specification for chlorfenvinphos granules
309	1	IS 11063:1984	Specification for metoxuron water dispersible powders
310	2	IS 11090:1984	Self discharging centrifugal liners for A & B massacuites of sugar industry (To be withdrawn)
311	1	IS 11135:1984	Specification for metoxuron, technical
312	19	IS 11156:1985	Infant formulae
313	2	IS 11190:1985	Continuous centrifugal liners of B & C massacuites of sugar industry_(To be withdrawn)
314	17	IS 11314:1985	Furrow opener for single row jute seed drill
315	2	IS 11481:1985	Supporting liners for batch type centrifugal machines for sugar industry (To bewithdrwn)
316	2	IS 11482:1985	Supporting screws for continuous centrifugal machines_(To be withdrawn)
317	19	IS 11634:1988	Borers for drawing samples of milk powder and similar products
318	11	IS 11806:1986	Method for determination of seat reference point of agricultural tractors (To be withdrawn)
319	11	IS 11841:1986	Form for reporting accidental overturning of agricultural tractors
320	6	IS 11924:1992	Cocoa coatings (first revision)
321	16	IS 12221:1987	Rice chidwa
322	11	IS 12362(Part 2):1993	Agricultural vehicles - Mechanical connections on towing vehicles - Part 2: Clevis type - Dimensions (first revision)
323	11	IS 12364:1992	Agricultural tractors and machinery - General purpose - Quick action hydraulic couplers (first revision)
324	1	IS 12382:1988	Tetradifon, technical
325	1	IS 12383:1988	Tetradifon EC
326	16	IS 12565:1989	Salted and spiced fried dals
327	17	IS 12599(Part 1):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, Plate type: Part 1 Fertilizer plate
328	17	IS 12599(Part 2):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, Plate type: Part 2 Agitator roller
329	17	IS 12599(Part 3):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, Plate type: Part 3 Auger roller



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330	17	IS 12599(Part 4):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, Plate type: Part 4 Feed cup
331	17	IS 12613(Part 1):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, fluted feed roller type: Part 1 Fertilizer feed roller
332	17	IS 12613(Part 2):1989	Sowing and fertilizer application equipment - Fertilizer metering mechanism, fluted feed roller type: Part 2 Fertilizer feed cut off
333	17	IS 12613(Part 3):1989	Sowing and Fertilizer Application Equipment - Fertilizer metering mechanism, fluted feed roller type: Part 3 Fertilizer retaining ring and cover
334	17	IS 12613(Part 4):1989	Sowing and Fertilizer Application Equipment - Fertilizer metering mechanism, fluted feed roller type: Part 4 Feed cup
335	17	IS 12617:1989	Hand cultivator (Superseded by IS 14540:1998)
336	11	IS 12954:1990	Technical requirements for draw bar for agricultural tractors swinging type
337	17	IS 13375:1992	Forestry Tools - Hoeing and weeding fork, nursery (Superseded by IS 14541:1998)
338	5	IS 13399:1992	Animal feeds and feeding stuffs - Determination of Urea (To be withdrawn)
339	19	IS 13471:1992	Infant foods - Low-fat infant formula (To be withdrawn)
340	17	IS 13478:1992	Farm transport equipment - Glass fibre reinforced unsaturated polyester resin animal drawn vehicle body
341	11	IS 13480:1992	Lawn and garden ride-on (riding) tractors - Drawbar
342	11	IS 13481:1992	Lawn and garden ride-on (riding) tractors - Three point hitch
343	11	IS 13482:1992	Lawn and garden ride-on (riding) tractors - One point tubular sleeves hitch
344	11	IS 13483:1992	Lawn and garden ride-on (riding) tractors - Power take off
345	17	IS 13483(Part 2):1998	Forestry tools - Stalk puller Part 2 Heavy duty
346	17	IS 13486(Part 1):1992	Forestry tools - Planting hoe: Part 1 Single blade (Superseded by IS 14541:1998)
347	5	IS 13574:1992	Animal feed and feeding stuffs - Determination of calcium and magnesium in mineral supplements (To be withdrawn)
348	11	IS 13639:1993	Power lawn-mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with moving attachments - Definitions, safety requirements and test procedures_ (To be withdrawn)
349	17	IS 13817:1993	Soil working equipment - Dryland weeders, manually operated (Superseded by IS 14540:1998)
350	1	IS 14187:1994	DEPA, technical (To be withdrawn)
351	19	IS 14433(Part 1):2007	Infant milk substitute - Specification : Part 1 Milk protein based
352	5	IS 14825:2000	Animal feeding stuff - Determination of nitrogen content and calculation of crude protein content - Kjeldahi method (To be withdrawn)
353	5	IS 14830:2000	Animal feeding stuff - Determination of moisture content (To be withdrawn)
354	1	IS 14833:2000	Lindane Wettable Powder - Specification
355	1	IS 14834:2000	Lindane Dusting Powder - Specification

**ANNEX II**  
**LIST OF INDIAN STANDARDS WITH DUAL NUMBER/ EQUIVALENT STANDARDS**

Sl. No.	IS Number/ DOC Number	Committee	Title
<b>DUAL NUMBER STANDARDS</b>			
1	IS 789(Part 8):1991 / ISO	011	Agricultural tractors - Test procedure: Part 8 Engine air cleaner
2	* IS 1479(Part 4):2009 / ISO 5764:2002	019	Methods of test for dairy industry: Part 4 Determination of milk - Thermistor cryoscope method (Reference Method)
3	IS 3100(Part 1):1991 / ISO	018	Meat and meat products - Method of Sampling
4	IS 3611:2000 / ISO 1839:1980	006	Tea - Sampling (second revision)
5	IS 4287:1992 / ISO 1227:1979	016	Starch - Glossary (second revision)
6	* IS 4333(Part 2):2002 / ISO 712:1998	016	Methods of analysis for foodgrains: Part 2 Determination of moisture content (first revision)
7	* IS 4333(Part 3):2002 / ISO 7971:1995	016	Methods of analysis for foodgrains: Part 3 Determination of hectolitre weight (first revision)
8	* IS 4333(Part 4):2002 / ISO 520:1977	016	Methods of analysis for foodgrains: Part 4 Determination of mass of 1 000 grains (first revision)
9	IS 4468(Part 2):1993 / ISO 730-2:1979	011	Agricultural wheeled tractors - Three-point linkage: Part 2 Category 1 N (Narrow Hitch) (third revision)
10	IS 5061:2002 / ISO	005	Animal feeding stuffs - Determination of castor oil seed husks - Microscope method
11	* IS 5126:1996 / ISO 5492:1992	028	Sensory analysis - Vocabulary (first revision)
12	IS 5401(Part 1):2012 / ISO 4832:2006	015	Microbiology of food and animal feeding stuffs - horizontal method for the detection and enumeration of coliforms: Part 1 Colony count technique (Second revision)
13	IS 5401(Part 2):2012 / ISO 4831:2006	015	Microbiology of food and animal feeding stuffs - horizontal method for the detecton and enumeration of coliforms: Part 2 MPN technique (Second revision)
14	IS 5402:2012 / ISO 4833:2003	015	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of micro-organisms - Colony count technique at 30 degree C (second revision)

Sl. No.	IS Number/ DOC Number	Committee	Title
15	* IS 5453(Part 2):1996 / ISO 3632-2:1993	009	Saffron : Part 2 Method of test
16	IS 5781:1993 / ISO 1026:1982	010	Fruit and vegetable products - Determination of dry matter content under reduced pressure and of water content by azeotropic distillation (first revision)
17	IS 5887(Part 3):1999 / ISO 6579:1993	015	Methods for detection of bacteria responsible for food poisoning: Part 3 General guidance on methods for detection of SALMONELLA (second revision)
18	IS 5887(Part 6):2012 / ISO 7932:2004	015	Microbiology of food and animal feeding stuffs - horizontal method for the enumeration of presumptive B.Cereus: Part 6 Colony count technique at 30 degree C
19	IS 5887(Part 8/Sec 1):2002 / ISO 6888-1:1999	015	Methods for detection of bacteria responsible for food poisoning: Part 8 Horizontal method for enumeration of coagulase-positive staphylococci (Staphylococcus Aureus and other species) Section 1 Technique using Baird-Parker Agar Medium
20	IS 5887(Part 8/Sec 2):2002 / ISO 6888-2:1999	015	Methods for detection of bacteria responsible for food poisoning: Part 8 Horizontal method for enumeration of coagulase-positive staphylococci (Staphylococcus Aureus and other species) Section 2 Technique using rabbit plasma fibrinogen Agar Medium
21	IS 5960(Part 1):1996 / ISO 937:1978	018	Meat and meat products - Methods of test : Part 1 Determination of nitrogen content (first revision)
22	IS 5960(Part 2):2000 / ISO 936:1998	018	Meat and Meat Products - Methods of Test - Part 2 : Determination of Total Ash (first revision)
23	IS 5960(Part 4):1997 / ISO 1444:1996	018	Meat and meat products - Method of test : Part 4 Determination of free fat content (first revision)
24	IS 5960(Part 5):2001 / ISO 1442:1997	018	Meat and meat products - method of test: Part 5 Determination of moisture content [reference method (first revision)]
25	IS 5960(Part 6/Sec 1):1997 / ISO 1841-1:1996	018	Meat and meat products - Method of test : Part 6 Determination of chloride content Section 1 Volhard method (first revision)
26	IS 5960(Part 6/Sec 2):1997 / ISO 1841-2:1996	018	Meat and meat products - Method of Test : Part 6 Determination of Chloride content Section 2 Potentiometric method (first revision)
27	IS 5960(Part 7):1996 / ISO 2918:1975	018	Meat and meat products - Methods of test : Part 7 Determination of nitrite content (first revision)
28	IS 5960(Part 8):1996 / ISO 3091:1975	018	Meat and meat products - Methods of test : Part 8 Determination of nitrate content (first revision)
29	IS 5960(Part 9):1988 / ISO 2294:1974	018	Meat and meat products - Method of test : Part 9 Determination of total phosphors content

Sl. No.	IS Number/ DOC Number	Committee	Title
30	IS 5960(Part 10):2001 / ISO 2917:1999	018	Meat and meat products - Methods of test: Part 10 Measurements of pH - Reference method (first revision)
31	* IS 5960(Part 11):1988 / ISO 4133:1979	018	Meat and meat products - Method of test : Part 11 Determination of glucone-delta-lactone content
32	IS 5960(Part 12):2001 / ISO 4134:1999	018	Meat and meat products - Methods of test: Part 12 Determination of L-(+)-glutamic acid content - Reference method (first revision)
33	IS 5960(Part 13):1988 / ISO 5553:1980	018	Meat and meat products - Methods of test : Part 13 Determination of polyphosphates
34	IS 5960(Part 14):1988 / ISO 5554:1978	018	Methods of test for meat and meat products : Part 14 Determination of starch content
35	IS 5960(Part 15):2000 / ISO 3496:1994	018	Meat and meat products - Methods of test: Part 15 Determination of L(-) hydroxyproline content (first revision)
36	IS 5960(Part 16):2004 / ISO 13730:1996	018	Meat and meat products - Method of test : Part 16 Determination of total phosphorus content - Spectrometric method
37	IS 5960(Part 17):2004 / ISO 13965:1998	018	Meat and meat products - Method of test : Part 17 Determination of starch and glucose content - Enzymatic method
38	IS 5983(Part 1):2005 / ISO	005	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content : Part 1 Kjeldahl method
39	IS 5983(Part 2):2005 / ISO	005	Animal feeding stuffs - Determination of nitrogen content and calculation of crude protein content: Part 2 Block digestion and steam distillation method
40	IS 6028:2002 / ISO 931:1980	010	Green bananas - Guide to storage and transport (second revision)
41	IS 6092(Part 2/Sec 3):2004 / ISO 4176: 1981	007	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 3 : Nitrate Nitrogen Content - Nitron Gravimetric Method
42	IS 6092(Part 2/Sec 4):2004 / ISO 5314: 1981	007	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 4 Ammoniacal nitrogen content - Titrimetric method after distillation
43	IS 6092(Part 2/Sec 5):2004 / ISO 5315: 1984	007	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 5 Total nitrogen content - Titrimetric method after distillation
44	IS 6092(Part 2/Sec 6):2004 / ISO 7408: 1983	007	Methods of sampling and test for fertilizers : Part 2 Determination of nitrogen Section 6 Ammoniacal nitrogen content in the presence of other substances which release ammonia when treated with sodium hydroxide - Titrimetric method

Sl. No.	IS Number/ DOC Number	Committee	Title
45	IS 6092(Part 2/Sec 7):2004 / ISO 8603: 1993	007	Methods of Sampling and Test for Fertilizers - Part 2 : Determination of Nitrogen - Section 7 : Solid Fertilizers - Determination of Urea Nitrogen Content - Gravimetric Method Using Xanthidrol
46	IS 6092(Part 3/Sec 3):2004 / ISO 5316: 1977	007	Methods of sampling and test for fertilizers Part 3 Determination of Phosphorus Section 3 Extraction of water - Soluble phosphates
47	IS 6092(Part 3/Sec 4):2004 / ISO 6598: 1985	007	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 4 : Quinoline Phosphomolybdate Gravimetric Method
48	IS 6092(Part 3/Sec 5):2004 / ISO 7497: 1984	007	Methods of Sampling and Test for Fertilizers - Part 3 : Determination of Phosphorus - Section 5 : Extraction of Phosphates Soluble in Mineral Acids
49	IS 6283(Part 1):2006 / ISO 3767-1:1991	011	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part 1 : Common Symbols (second revision)
50	IS 6283(Part 2):2007 / ISO 3767-2:1991	011	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays : Part 2 Symbols for agricultural tractors and machinery (first revision)
51	IS 6400:1993 / ISO 3103:1980	006	Method for preparation of tea infusion for sensory evaluation (first revision)
52	IS 6492:1999 / ISO	005	Animal feeding stuffs - Determination of fat content
53	IS 6496:1999 / ISO	005	Animal feeding stuffs - Determination of moisture and other volatile matter content
54	IS 6669:2001 / ISO 1212:1995	010	Apples - Guide to cold storage (first revision)
55	IS 6865:2000 / ISO	005	Animal feeding stuffs - Determination of crude fibre content - Method with intermediate filtration
56	IS 6866:1985 / ISO	005	Animal feeding stuffs - Determination of free and total gossypol
57	IS 7191:2001 / ISO 5524:1991	010	Tomatoes - Guide to cold storage and refrigerated transport (first revision)
58	IS 7252:2013 / ISO 2169:1981	010	Fruits and Vegetables - Physical conditions in cold stores - Definition and measurement (first revision)
59	IS 7402:1996 / ISO 7402:1993	015	Microbiology - General guidance for the enumeration of Enterobacteriaceae without resuscitation - MPN technique and colony-count technique (first revision)

Sl. No.	IS Number/ DOC Number	Committee	Title
60	IS 8104:1996 / ISO 3513:1995	009	Chillies - Determination of scoville index (first revision)
61	* IS 8162:1998 / ISO 5531:1978	016	Wheat flour - Method for determination of wet gluten (first revision)
62	IS 8600:2008 / ISO 4874:2000	004	Tabacco - Sampling of batches of raw mterial - General principles (second revision)
63	IS 8832:2003 / ISO 1114:1977	006	Cocoa beans - Cut test (first revision)
64	IS 8833:2003 / ISO 2291:1980	006	Cocoa beans- Determination of moisture content (Routine method) (first revision)
65	IS 8865:2003 / ISO 2451:1973	006	Cocoa beans - Specification (first revision)
66	IS 9311:2001 / ISO 1673:1991	010	Onions - Guide to storage (first revision)
67	IS 9314:2003 / ISO 2292:1973	006	Cocoa beans - Sampling (first revision)
68	IS 9379:2008 / ISO 6488:2004	004	Tobacco and tobacco products - Determination of water content - Karl fischer method (third revision)
69	IS 9967(Part 1):2008 / ISO 14673-1:2004	019	Milk and milk products - Determination of nitrate and nitrite content: Part 1 Method using cadmium reduction and spectrometry (second revision)
70	IS 9967(Part 2):2008 / ISO 14673-2:2004	019	Milk and milk products - Determinaion of nitrate and nitrite content: Part 2 Method using segmented flow analysis (second revision)
71	IS 9967(Part 3):2008 / ISO 14673-3:2004	019	Milk and milk products - Determinaion of nitrate and nitrite content: Part 3 Method using cadmium reduction and flow injection analysis with in line dialysis (second revision)
72	IS 10226(Part 1):1982 / ISO 5498:1981	028	Method for determination of crude fibre content: Part 1 General method
73	IS 10232:2003 / ISO 6887 Part 1:1999	015	General rules for the preparation of initial suspension and decimal dilutios for microbiological examination of foods (first revision)
74	IS 10318:2002 / ISO 5673:1993	011	Agricultural tractors and machinery - Power take-off drive shafts and position of power-input connection (first revision)
75	IS 11202:2012 / ISO 8069:2005	019	Dried milk - Determination of lactic acid and lactates content - Enzymatic method (first revision)

Sl. No.	IS Number/ DOC Number	Committee	Title
76	IS 11442:1996 / ISO 5721:1989	011	Agricultural Tractors - Operator's Field of Vision - Test Procedures (first revision)
77	IS 11535:1985 / ISO 2164:1975	016	Method of test for determination of glycosidic hydrocyanic acid in pulses
78	IS 11546:2012 / ISO 707:2008	019	Milk and Milk Products - Guidance on Sampling (first revision)
79	IS 11623:2008 / ISO 5537:2004	019	Dried milk - Determination of moisture content (reference method)
80	IS 11721:2013 / ISO 1736:2008	019	Dried milk and dried milk products - Determination of fat content - Gravimetric method (Reference method) (Second Revision of IS 11721)
81	IS 11762:2013 / ISO 1737:2008	019	Evaporated milk & sweetened condensed milk - Determination of fat content - Gravimetric method (Reference method) (Second Revision of IS 11762)
82	IS 11763:2011 / ISO 5943:2006	019	Cheese and processed cheese products - Determination of chloride content - Potentiometric titration method (third revision)
83	IS 11764:2005 / ISO 2911:2004	019	Sweetened condensed milk - Determination of sucrose content - Polarimetric method (first revision)
84	* IS 11765:1986 / ISO 6091:1980	019	Method for determination of titratable acidity in milk powder and similar products (reference method)
85	IS 11766:1986 / ISO 6092:1980	019	Method for determination of titratable acidity in milk powder and similar products (routine method)
86	IS 11816(Part 1):2010 / ISO 6322-1:1996	016	Storage of cereals and pulses: Part 1 General recommendations for the keeping of cereals (first revision)
87	IS 11816(Part 2):2009 / ISO 6322-2:2000	016	Storage of cereals and pulses: Part 2 Practical recommendations (first revision)
88	IS 11820:2004 / ISO 4389:2000	004	Tobacco and tobacco products - Determination of organochlorine pesticide residues - Gas chromatographic method (first revision)
89	IS 11821(Part 1):1992 / ISO 3463:1989	011	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 1 Dynamic test (first revision)
90	IS 11821(Part 2):1992 / ISO 5700:1989	011	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 2 Static test (first revision)
91	IS 11888:2005 / ISO 5739:2003	019	Caseins and caseinates - Determination of contents of scorched particles and of extraneous matter (first revision)

SI. No.	IS Number/ DOC Number	Committee	Title
92	IS 11917:1987 / ISO 5549:1978	019	Method for determination of protein content in caseins and caseinates (reference method)
93	* IS 11918:1987 / ISO 5546:1979	019	Method for determination of pH in caseins and caseinates (reference method)
94	IS 11919:2012 / ISO 5544:2008	019	Method for determination of fixed ash in caseins (reference method)
95	IS 11920:2012 / ISO 5550:2006	019	Casein and caseinates - Determination of moisture content (Reference method) (first revision)
96	IS 11962:2012 / ISO 5545:2008	019	Method for determination of ash in rennet caseins and caseinates (reference method)
97	IS 11963:2005 / ISO 5548:2004	019	Caseins and caseinates - Determination of lactose content - Photometric method (first revision)
98	IS 11964:2012 / ISO 5547:2008	019	Method for determination of free acidity in caseins (Reference method)
99	IS 11965:1987 / ISO 6000:1981	010	Round-headed cabbage - Storage in the open
100	IS 11966:1997 / ISO 6663:1995	010	Garlic - Guide to cold storage (first revision)
101	IS 11977:1987 / ISO 3959:1977	010	Green bananas - Ripening condition
102	IS 12239(Part 1):1996 / ISO 4254-1:1989	011	Guide for safety and comfort of operator of agricultural tractors and power tillers : Part 1 General requirements (first revision)
103	* IS 12333:1997 / ISO 6731:1989	019	Milk, Cream and Evaporated Milk - Determination of Total Solids Content (Reference Method) (first revision)
104	IS 12362(Part 1):2007 / ISO 6489-1:2001	011	Agricultural vehicles - Mechanical connections between towed and towing vehicles: Part 1 Dimensions of hitch hooks (second revision)
105	IS 12362(Part 3):1994 / ISO 6489-3:1992	011	Agricultural vehicles - Mechanical connections on towing vehicles - Part 3: Tractor drawbar (first revision)
106	IS 12371:1988 / ISO 5670:1984	011	Technical requirements for single acting telescopic tipping cylinders for agricultural trailers
107	* IS 12516(Part 1):1999 / ISO 5530-1:1997	024	Methods for determination of physical characteristics of doughs made from wheat flour: Part1 Water absorption and rheological properties using a farinograph (first revision)



Sl. No.	IS Number/ DOC Number	Committee	Title
108	* IS 12516(Part 2):1999 / ISO 5530-2:1997	024	Methods for determination of physical characteristics of doughs made from wheat flour: Part 2 Rheological properties using an extensograph (first revision)
109	* IS 12516(Part 4):1996 / ISO 5530-4:1991	024	Methods for determination of physical characteristics of doughs made from wheat flour: Part4 Rheological properties using an alveograph (first revision)
110	* IS 12700:2010 / ISO 3093:2004	016	Wheat, rye and respective flours, durum wheat and durum wheat semolina - Determination of the falling number according to Hagberg-Perten (first revision)
111	IS 12756:1989 / ISO 2962:1984	019	Cheese and cheese products - Determination of total phosphorus content by molecular absorption spectrometric method
112	IS 12757:2012 / ISO/ TS 2963:2006	019	Cheese and processed cheese products - Determination of citric acid content - Enzymatic method (second revision)
113	IS 12758:2005 / ISO 1735:2004	019	Cheese and processed cheese products - Determination of fat content - Gravimetric method (Reference Method) (first revision)
114	IS 12759:1989 / ISO 8156:1987	019	Dried milk and dried milk products - Determination of insolubility index
115	IS 12760:2012 / ISO 8070:2007	019	Dried milk - Determination of sodium and potassium content by flame emission spectrometric method (first revision)
116	IS 12942:2008 / ISO 8243:2006	004	Cigarettes - Sampling (second revision)
117	IS 12983:1990 / ISO 8892:1987	013	Oilseed residues - Determination of total residual hexane
118	IS 13427:1992 / ISO 6651:1987	005	Animal feeds and feeding stuffs - Determination of aflatoxin B-1 content
119	IS 13479:1992 / ISO 3501:1976	017	Assembled joints between fittings and polyethylene (PE) pressure pipes - Test for resistance to pull out
120	IS 13548:1992 / ISO 5008:1979	011	Agricultural wheeled tractors and field machinery - Measurement of whole body vibration of the operator
121	IS 13549:1992 / ISO 5676:1983	011	Tractors and machinery for agriculture and forestry - Hydraulic coupling - Braking circuits
122	IS 13581:1993 / ISO 5007:1990	011	Agricultural wheeled tractors - Operator's seat - Laboratory measurement of transmitted vibration
123	IS 13732:1993 / ISO 5675:1992	011	Agricultural tractors and machinery - General purpose quick-action hydraulic couplers

Sl. No.	IS Number/ DOC Number	Committee	Title
124	IS 13733:1993 / ISO 5669:1982	011	Agricultural trailers and trailed equipment - Braking cylinders - Specification
125	IS 13815:2009 / ISO 2173:2003	010	Fruit and vegetable products - Determination of soluble solids content - Refractometric method (first revision)
126	IS 13816:2009 / ISO 762:2003	010	Fruit and vegetable products - Determination of mineral impurities content (first revision)
127	IS 13844:2003 / ISO 750:1998	010	Fruits and vegetable products - Determination of titratable acidity (first revision)
128	IS 13845:2003 / ISO 751:1998	010	Fruits and vegetable products - Determination of water-insoluble solid content (first revision)
129	IS 13846:2009 / ISO 763:2003	010	Fruit and vegetable products - Determination of ash insoluble in hydrochloric acid (first revision)
130	IS 13852:1994 / ISO 1572:1980	006	Tea - Preparation of ground sample of known dry matter content
131	IS 13853:1994 / ISO 1573:1980	006	Tea - Determination of loss in mass at 103 degree celcius
132	IS 13854:1994 / ISO 1575:1987	006	Tea - Determination of total ash
133	IS 13855:1993 / ISO 1576:1988	006	Tea - Determination of water-soluble ash and water-insoluble ash
134	IS 13856:1993 / ISO 1578:1975	006	Tea - Determination of alkalinity of water-soluble ash
135	IS 13857:1993 / ISO 1577:1987	006	Tea - Determination of acid-insoluble ash
136	IS 13858:1993 / ISO 6770:1982	006	Instant tea - Determination of free flow and compacted bulk densities
137	IS 13859:1993 / ISO 7513:1990	006	Instant tea in solid form - Determination of moisture content (Loss in mass at 103 degree celcius)
138	IS 13860:1993 / ISO 7514:1990	006	Instant tea in solid form - Determination of total ash
139	IS 13861:1993 / ISO 7516:1984	006	Instant tea in solid form - Sampling

SI. No.	IS Number/ DOC Number	Committee	Title
140	IS 13862:1999 / ISO 9768:1994	006	Tea - Determination of water extract (first revision)
141	IS 13863:1993 / ISO 7973:1992	016	Cereals and milled cereal products - Determination of viscosity of flour - Method using an amylograph
142	* IS 13864:1993 / ISO 5529:1992	016	Wheat - Determination of sedimentation index - Zeleny test
143	IS 13903:2005 / ISO	005	Animal feeding stuffs - Determination of amino acids content
144	IS 13904:2005 / ISO	005	Animal feeding stuffs - Determination of tryptophan content
145	IS 14414:1996 / ISO 789-7:1991	011	Agricultural tractors - Axle power determination - Test procedures
146	IS 14594:1998 / ISO 3591:1977	014	Sensory analysis - Apparatus - Wine testing glass
147	IS 14718:1998 / ISO	005	Animal feeding stuffs - Determination of aflatoxin B1 content of mixed feeding stuffs - Method using high performance liquid chromatography
148	* IS 14818:2000 / ISO 13690:1999	016	Cereal and pulses and milled products - Sampling of static batches
149	IS 14826:2000 / ISO 5985:1978	005	Animal feeding stuff - Determination of ash insoluble in hydrochloric acid
150	IS 14827:2000 / ISO 5984:1978	005	Animal feeding stuff - Determination of crude ash
151	IS 14828:2000 / ISO 6491:1998	005	Animal feeding stuff - Determination of total phosphorus content - Spectrophotometric method
152	IS 14829:2000 / ISO 6495:1999	005	Animal feeding stuff - Determination of water-soluble chloride content
153	IS 14831:2000 / ISO 6498:1998	005	Animal feeding stuff - Preparation of test sample
154	IS 14832:2000 / ISO 6654:1991	005	Animal feeding stuff - Determination of urea
155	* IS 14843:2000 / ISO 13720:1995	018	Meat and meat products - Enumeration of Pseudomonas Spp.

Sl. No.	IS Number/ DOC Number	Committee	Title
156	IS 14844:2000 / ISO 13721:1995	018	Meat and meat products - Enumeration of lactic acid bacteria - Colony count technique at 30°C
157	IS 14902:2001 / ISO	005	Animal feeding stuffs - Determination of trypsin inhibitor activity of soya products
158	IS 14920:2001 / ISO 13681:1995	018	Meat and meat products - Enumeration of yeasts and moulds - Colony count technique
159	IS 14980(Part 1):2001 / ISO 8759-1:1998	011	Agricultural wheeled tractors - Front mounted equipment : Part 1 Power take-off and three point linkage
160	IS 14980(Part 2):2001 / ISO 8759-2:1998	011	Agricultural Wheeled Tractors - Front-mounted Equipment : Part 2 Stationary Equipment Connections
161	IS 14987:2001 / ISO 8914:1990	015	Microbiology - General guidance for detection of Vibrio Parahaemolyticus
162	IS 14988(Part 1):2001 / ISO 11290-1 :1996	015	Microbiology of food and animal feeding stuffs - Horizontal method for detection and enumeration of Listeria monocytogenes : Part 1 Detection method
163	IS 14988(Part 2):2002 / ISO 11290-2:1998	015	Microbiology of food and animal feeding stuffs - Horizontal method for detection and enumeration of Listeria monocytogenes : Part 2 Enumeration method
164	IS 15096:2002 / ISO 2448:1998	010	Fruits and vegetable products - Determination of ethanol content
165	IS 15106:2002 / ISO 11465:1993	007	Determination of Drymatter and water content on a mass basis - Gravimetric method
166	IS 15107:2002 / ISO 11276:1995	007	Determination of pore water pressure - Tensiometer method
167	IS 15108:2002 / ISO 11464:1994	007	Pretreatment of samples for physico - Chemical analysis
168	IS 15109(Part 1):2002 / ISO 11269-1:1993	007	Determination of effects of pollutants on soil flora: Part 1 Method for the measurement of inhibition of root growth
169	IS 15109(Part 2):2002 / ISO 11269-2:1995	007	Determination of effects of pollutants on soil flora: Part 2 Effects of chemicals on the emergence and growth of higher plants
170	IS 15120:2002 / ISO 14565:2000	005	Animal feeding stuffs - Determination of Vitamin A content - Method using high performance liquid chromatography
171	IS 15121:2002 / ISO 6869:2000	005	Animal feeding stuffs - Determination of the contents of calcium, copper, iron, magnesium, manganese, potassium, sodium and zinc - Method using atomic absorption spectrometry

SI. No.	IS Number/ DOC Number	Committee	Title
172	IS 15185:2002 / ISO 9308-1:2000	014	Water quality - Detection and enumeration of E.coli and coliform bacteria - Membrane filtration method
173	IS 15186:2002 / ISO 7899-2:2000	014	Water quality - Detection and enumeration of intestinal enterococci - Membrane filtration method
174	IS 15187:2002 / ISO 6340:1995	014	Water quality - Detection of salmonella species
175	IS 15188:2012 / ISO 8199:2005	014	Water quality - General guidance on the enumeration of microorganisms by culture (first revision)
176	* IS 15285:2003 / ISO 5496:1992	028	Sensory analysis - Methodology - Initiation and training of assessors in the detection and recognition of odours
177	IS 15286:2003 / ISO 5497:1982	028	Sensory analysis - Methodology - Guidelines for the preparation of samples for which direct sensory analysis is not feasible
178	IS 15315:2003 / ISO 6564:1985	028	Sensory analysis - Methodology - Flavour profile methods
179	* IS 15316:2003 / ISO 8589:1988	028	Sensory analysis - General guidance for the design of test rooms
180	* IS 15317(Part 1):2003 / ISO 8586-1:1993	028	Sensory analysis - General guidance for the selection, training and monitoring of assessors - Part 1 Selected assessors
181	* IS 15317(Part 2):2003 / ISO 8586-2:1993	028	Sensory analysis - General guidance for the selection, training and monitoring of assessors - Part 2 Experts
182	IS 15459:2004 / ISO 3493:1999	009	Vanilla - Vocabulary
183	IS 15460(Part 1):2004 / ISO 5565-1:1999	009	Vanilla [ Vanilla Fragrans (Salisbury) Ames] : Part 1 Specification
184	IS 15460(Part 2):2004 / ISO 5565-2:1999	009	Vanilla [ Valnila Fragrans (Salisbury) Ames] : Part 2 Test Methods
185	IS 15463:2004 / ISO 6391:1997	018	Meat and meat products - Enumeration of Escherichia coli - Colony count technique at 44°C using membranes
186	* IS 15470:2004 / ISO 6645:1981	016	Wheat Flour - Determination of dry gluten
187	IS 15478(Part 2):2004 / ISO 3100-2:1988	018	Meat and meat products - Sampling and preparation of test samples: Part 2 Preparation of test samples for microbiological examination

Sl. No.	IS Number/ DOC Number	Committee	Title
188	IS 15529:2004 / ISO 1955:1982	010	Citrus fruits and derived products - Determination of essential oils content (Reference method)
189	IS 15669:2006 / ISO 10695:2000	027	Water quality - Determination of selected organic nitrogen and phosphorus compounds - Gas chromatographic method
190	IS 15670:2006 / ISO 6468:1996	027	Water quality - Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas chromatographic method after liquid-liquid extraction
191	IS 15695:2006 / ISO 11027:1993	009	Pepper and pepper oleoresins - Determination of piperine content - Method using high-performance liquid chromatography
192	IS 15697(Part 1):2006 / ISO 7543-1:1994	009	Chillies and chilli oleoresins - Determination of total capsaicinoid content - Part 1: Spectrometric method
193	IS 15697(Part 2):2006 / ISO 7543-2:1963	009	Chillies and chilli oleoresins - Determination of total capsaicinoid content - Part 2: Method using high-performance liquid chromatography
194	IS 15699:2006 / ISO 7542:1984	009	Ground (powdered paprika ( <i>Capsicum annum</i> Linnaeus) - Microscopical examination
195	IS 15701:2006 / ISO 7541:1989	009	Ground (powdered) paprika - Determination of total natural colouring matter content
196	IS 15706:2006 / ISO 6632:1981	010	Fruits, vegetables and derived products - Determination of volatile acidity
197	IS 15795:2008 / ISO 2971:1998	004	Cigarette and filter rods - Determination of nominal diameter - Method using laser beam measuring apparatus
198	IS 15937:2011 / ISO 13493:1998	018	Meat and meat products - Determination of chloramphenicol content - Method using liquid chromatography
199	IS 15938:2011 / ISO 13496:2000	018	Meat and meat products - Detection of colouring agents - Method using thin layer chromatography
200	IS 15948:2011 / ISO 6867:2000	005	Animal feeding stuffs - Determination of vitamin E content - Method using high performance liquid chromatography
201	IS 15949:2012 / ISO 7088:1981	005	Fish meal - Vocabulary
202	IS 15955:2010 / ISO	023	Foodstuffs - Nucleic acid based methods of analysis of genetically modified organisms & derived products - Information to be supplied and procedure for addition of methods to ISO 21569, ISO 21570 or ISO 21571
203	IS 15989:2012 / 17604:2003	018	Microbiology of food and animal feeding stuffs - Carcass sampling and microbiological analysis (Adoption of ISO 17604)

SI. No.	IS Number/ DOC Number	Committee	Title
204	IS 15990:2012 / ISO 6887-2:2003	018	Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Specific rules for the preparation of meat and meat products
205	* IS 16022:2012 / ISO 3308:2000	004	Routine analytical cigarette - smoking machine - Definitions and standard conditions
206	IS 16023:2012 / ISO 4387:2000	004	Cigarettes - Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine
207	IS 16024:2012 / ISO 8454:2007	004	Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method
208	* IS 16025:2012 / ISO 10315:2000	004	Cigarettes - Determination of nicotine in smoke condensates - Gas-chromatographic method
209	IS 16026:2012 / ISO 15152:2003	004	Tobacco - Determination of the content of total alkaloids as nicotine - Continuous-flow analysis method
210	IS 16027:2012 / ISO 10727:2002	006	Tea and instant tea in solid form - Determination of caffeine content - Method using high-performance liquid chromatography
211	IS 16028:2012 / ISO 20481:2008	006	Coffee and coffee products - Determination of caffeine content using high-performance liquid chromatography (HPLC) - Reference method
212	IS 16029:2012 / ISO 11817:1994	006	Roasted ground coffee - Determination of moisture content - Karl Fischer method (Ref. method)
213	IS 16030:2012 / ISO 11294:1994	006	Roasted ground coffee- Determination of moisture content - Method by determination of loss in mass at 103°C (Routine method)
214	IS 16031:2012 / ISO 11292:1995	006	Instant coffee - Determination of free and total carbohydrate contents - Method using high-performance anion-exchange chromatography
215	IS 16032:2012 / ISO 10470:2004)	006	Green coffee - Defect reference chart
216	IS 16033:2012 / ISO 8460:1987	006	Instant coffee - Determination of free-flow and compacted bulk densities
217	IS 16034:2012 / ISO 6673:2003	006	Green coffee - Determination of loss in mass at 105 degrees C
218	IS 16035:2012 / ISO 6670:2002	006	Instant coffee - Sampling method for bulk units with liners
219	IS 16036:2012 / ISO 6668:2008	006	Green coffee - Preparation of samples for use in sensory analysis

Sl. No.	IS Number/ DOC Number	Committee	Title
220	IS 16037:2012 / ISO 4149:2005	006	Green coffee - Olfactory and visual examination and determination of foreign matter and defects
221	IS 16038:2012 / ISO 6667:1985	006	Green coffee - Determination of proportion of insect-damaged beans
222	IS 16039:2012 / ISO 4052:1983	006	Coffee - Determination of caffeine content (Reference method)
223	IS 16040:2012 / ISO 1446:2001	006	Green coffee - Determination of water content - Basic reference method
224	IS 16041:2012 / ISO 15598:1999	006	Tea - Determination of crude fibre content
225	IS 16042(Part 1):2012 / ISO 10362-1:1999	004	Cigarettes - Determination of water in smoke condensates: Part 1 Gas-chromatographic method
226	IS 16067(Part 1):2013 / ISO 16649-1:2001	015	Microbiology of food & animal feeding stuffs - Horizontal method for enumeration of beta-glucuronidase-positive E. coli:Pt 1: Colony count technique at 44C using membranes & 5-bromo-4chloro-3-indolyl beta-d-glucuronide
227	IS 16068:2013 / ISO 15214:1998	015	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of mesophilic lactic acid bacteria-Colony-count technique at 30° C
228	IS 16069(Part 1):2013 / ISO 21527-1:2008	015	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds:Part 1:Colony count technique in products with water activity greater than 0.95
229	IS 16069(Part 2):2013 / ISO 21527-2:2008	015	Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of yeasts and moulds:Part 2 :Colony count technique in products with water activity less than or equal to 0.95
230	IS 16079(Part 1):2013 / ISO/TS 17764-2:2002	005	Animal feeding stuffs - Determination of the content of fatty acids - Part 1 Preparation of methyl esters (Adoption of ISO/TS/17764-1:2002)
231	IS 16079(Part 2):2013 / ISO/TS 17764-2:2002	005	Animal feeding stuffs - Determination of the content of fatty acids - Part 2 Gas chromatographic method (Adoption of ISO 17764-2:2002)
232	IS 16080:2013 / 9831:1998	005	Animal feeding stuffs, animal products, and faeces or urine - Determination of gross calorific value - Bomb calorimeter method (Adoption of ISO 9831:1998)
233	IS 16118:2013 / ISO 6665:1983	010	Strawberries - Guide to cold storage
234	IS 16121:2013 / ISO 3402:1999	004	Tobacco and tobacco products - Atmosphere for conditioning and testing



Sl. No.	IS Number/ DOC Number	Committee	Title
235	IS 16122:2013 / ISO 7218:2007	015	Microbiology of food and animal feeding stuffs - General requirements and guidance for microbiological examinations
236	IS 16132:2014 / ISO 2881:1992	004	Tobacco and Tobacco Products-Determination alkaloid content-Spectrometric Method
237	IS 16195:2014 / ISO/TS 15495:2010	019	Milk, milk products and infant formulae - Guidelines for the quantitative determination of melamine and cyanuric acid by LC-MS
238	IS 21569:2009 / ISO	023	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Qualitative nucleic acid based methods
239	IS 21570:2009 / ISO	023	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Quantitative nucleic acid based methods
240	IS 21571:2009 / ISO	023	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Nucleic acid extraction
241	IS 21572:2009 / ISO	023	Foodstuffs - Methods of analysis for the detection of genetically modified organisms and derived products - Protein based methods
242	IS 22000:2005 / ISO 22000:2005	015	Food safety management systems - Requirements for any organization in the food chain
243	IS 22002(Part 1):2009 / ISO/TS	015	Prerequisite programmes on food safety - Part 1: Food manufacturing
244	IS 22003:2007 / ISO/TS	015	Food safety management systems - Requirements for bodies providing audit and certification of food safety management systems
245	IS 22004:2005 / ISO/TS	015	Food safety management systems - Guidance on the application of ISO 22000:2005
246	IS 22005:2007 / ISO	015	Traceability in the feed and food chain - General principles and basic requirements for system design and implementation
247	IS 22006:2009 / ISO	015	Quality management systems - Guidelines for the application of ISO 9001:2008 in crop production

Sl. No.	IS Number/ DOC Number	Committee	Title
<b>EQUIVALENT STANDARDS</b>			
1	IS 885:1994   ISO 1750:1981	001	Common names for pesticides and other agrochemicals (excluding fertilizers) (second revision)
2	IS 5403:1999   ISO 7954:1987	015	Method for yeast and mould count of food stuffs and animal feeds (first revision)
3	* IS 5453(Part 1):1996   ISO 3632-1:1993	009	Saffron : Part 1 Specification (second revision)
4	IS 7731:1975   ISO 873:1980	010	Guide for storage of peaches
5	IS 8132:1999   ISO 3600:1996	011	Tractors and machinery for agriculture and forestry - Powered lawn and garden equipment - Operators manuals - Content and presentation (second revision)
6	IS 8133:1983   ISO 3789:1982	011	Guidelines for location and operation of operator controls on agricultural tractors and machinery (first revision)
7	IS 10226(Part 2):1982   ISO 6541:1981	028	Method for determination of crude fibre content: Part 2 Modified scharrer method
8	IS 10703:1992   ISO/TR 3778:1987	011	Agricultural tractors - Maximum actuating forces required to operate controls (first revision)
9	IS 10743:1983   ISO 789-6:1982	011	Method for determination of centre of gravity of agricultural tractors
10	IS 11816(Part 3):1986   ISO 6322-3:1989	016	Storage of cereals and pulses: Part 3 Control of attack by vertebrate and invertebrate animals
11	IS 11834:1986   ISO 3971:1977	020	Symbols and flow diagram for rice milling
12	IS 12232(Part 1):1996   ISO 7749-1:1995	017	Irrigation equipment - Rotating sprinkler: Part 1 Design and operational requirements (first revision)
13	IS 12516(Part 3):1988   ISO 5530-3:1988	024	Methods for determination of physical characteristics of doughs made from wheat flour: Part3 Water absorption and rheological properties using a valorigraph
14	IS 13433(Part 1):1992   ISO 6490-1:1985	005	Animal feeds and feeding stuffs - Determination of calcium: Part 1 Titrimetric method

**ANNEX II C**  
**INDIAN STANDARDS HARMONIZED WITH CODEX**

**FAD 2**

1.	IS 874:1992	Codex Stan 212:1999	Dextrose monohydrate (third revision)
2.	IS 1151:2003	”	Refined sugar – Specification (second revision)
3.	IS 5982:2003	”	Plantation white sugar – Specification (first revision)
4.	IS 8847:1978	”	Specification for dried glucose syrup

**FAD 8**

5.	IS 1694:1994	JECFA	Tartrazine, food grade (second revision)
6.	IS 1695:1994	”	Sunset yellow, food grade (second revision)
7.	IS 1697:1994	”	Erythrosine, food grade (second revision)
8.	IS 1698:1994	”	Indigo Carmine, food grade (second revision)
9.	IS 2558:1994	”	Ponceau 4R, food grade (second revision)
10.	IS 2923:1995	”	Carmoisine, food grade (second revision)
11.	IS 3827:2008	”	Riboflavin, food grade - Specification (first revision)
12.	IS 3841:2008	”	β-carotene food grade -Specification (first revision)
13.	IS 4446(Part 1):2008	”	Chlorophyll - Specification : Part 1 Magnesium Complex (second revision)
14.	IS 4446(Part 2):2008	”	Chlorophyll, food grade - Specification: Part 2 Copper Complex (second revision)
15.	IS 4447:1994	”	Sodium benzoate, food grade (first revision)
16.	IS 4448:1994	”	Benzoic acid, food grade (first revision)
17.	IS 4467:1996	”	Caramel - Specification (second revision)
18.	IS 4750:1996	”	Sorbitol, powder, food grade (first revision)
19.	IS 4751:1994	”	Potassium metabisulphite, food grade - Specification (first revision)
20.	IS 4752:1994	”	Sodium metabisulphite, food grade - Specification (first revision)
21.	IS 4753:2008	”	Potassium nitrate, food grade (second revision)
22.	IS 4818:1996	”	Sorbic acid, food grade - Specification (first revision)
23.	IS 5055:1996	”	Lecithin, food grade - Specification (first revision)
24.	IS 5057:1997	”	Potassium nitrite, food grade - Specification (first revision)
25.	IS 5058:1996	”	Sodium citrate, food grade - Specification (first revision)
26.	IS 5191:1993	”	Sodium alginate, food grade - Specification (first revision)

27.	IS 5306:1996	”	Sodium carboxymethyl cellulose, food grade - Specification (second revision)
28.	IS 5342:1996	”	Ascorbic acid, food grade - Specification (first revision)
29.	IS 5343:1996	”	Butylated hydroxyanisole, food grade - Specification (first revision)
30.	IS 5345:1996	”	Sodium saccharin, food grade - Specification (second revision)
31.	IS 5707:1996	”	Agar, food grade (first revision)
32.	IS 5708:1996	”	Sodium tartrate, food grade - Specification (first revision)
33.	IS 5709:1997	”	Calcium saccharin, food grade - Specification (second revision)
34.	IS 5719:2005	”	Gelatin, food grade - Specification (first revision)
35.	IS 6022:1994	”	Fast green FCF, food grade - Specification (second revision)
36.	IS 6030:1997	”	Sodium propionate, food grade - Specification (first revision)
37.	IS 6031:1997	”	Calcium propionate, food grade - Specification (first revision)
38.	IS 6385:1997	”	Saccharin, food grade - Specification (second revision)
39.	IS 6386:1971	”	Specification for Beta-APO-8 carotenal, food grade
40.	IS 6405:1971	”	Specification for canthaxanthine, food grade
41.	IS 6406:1994	”	Brilliant blue, FCF, food grade - Specification (second revision)
42.	IS 6793:1996	”	Fumaric acid, food grade - Specification (first revision)
43.	IS 6794:1997	”	Dodecyl gallate, food grade - Specification (first revision)
44.	IS 6795:2007	”	Acacia (Arabic) gum, food grade – Specification (first revision)
45.	IS 6796:1997	”	Propyl gallate, food grade - Specification (first revision)
46.	IS 6797:1972	”	Specification for methyl ester of Beta-apo-8 carotenoic acid
47.	IS 6798:1997	”	Octyl gallate, food grade – Specification (first revision)
48.	IS 7237:1997	”	Carob bean gum, food grade – Specification (first revision)
49.	IS 7238:1997	”	Tragacanth gum, food grade – Specification (first revision)
50.	IS 7239:2007	”	Gum ghatti, food grade - Specification (first revision)
51.	IS 7260:1974	”	Specification for ethyl ester of Beta-apo-8 `carotenoic acid' food

52.	IS 7905:1996	”	Calcium Alginate, food grade - Specification (first revision)
53.	IS 7908:1997	”	Sulphur dioxide, food grade - Specification (first revision)
54.	IS 7928:1993	”	Alginic acid, food grade - Specification (first revision)
55.	IS 9504:2007	”	L(+)-Tartaric acid, food grade – Specification (first revision)
56.	IS 9505:2007	”	Monosodium L-glutamate, food grade - Specification (first revision)
57.	IS 9953:1981	”	Specification for glyceryl monostearate, food grade
58.	IS 9970:1981	”	Specification for dicalcium phosphate, food grade
59.	IS 9971:1981	”	Specification for lactic acid, food grade
60.	IS 10502:1993	”	Guar gum, food grade - Specification (first revision)
61.	IS 10508:2007	”	Phosphoric acid, food grade - Specification (first revision)
62.	IS 11686:1997	”	Iso-propyl alcohol, food grade – Specification (first revision)
63.	IS 11913:1986	”	Specification for tert-butylhydroquinone (TBHQ)
64.	IS 12408:1988	”	Specification for gum karaya, food grade
65.	IS 13186:1991	”	Citric acid, food grade - Specification
66.	IS 13462:1992	”	Ascorbyl palmitate, food grade - Specification
67.	IS 13657:1993	”	Aspartame, food grade - Specification
68.	IS 13658:1993	”	Polyglycerol esters of fatty acids, food grade - Specification
69.	IS 13659:1993	”	Polyglycerol esters of inter-esterified ricinoleic acid, food grade - Specification
70.	IS 13702:1993	”	Propylene glycol, food grade - Specification
71.	IS 13704:1993	”	Glycerol ester of wood rosin (ester gums), food grade - Specification
72.	IS 14123:1994	”	Sodium ascorbate, food grade - Specification
73.	IS 14125:1994	”	DL-Tartaric acid, food grade – Specification
74.	IS 15928:2012	“	Sodium Hydroxide food grade - Specification
75.	IS 15929:2012	“	Pectin, food grade - Specification

#### **FAD 10**

76.	IS 3248:1993	Codex Stan 13:1981	Canned tomatoes - Specification (first revision)
77.	IS 3881:1993	Codex Stan 49:1981	Tomato juice - Specification (first revision)
78.	IS 3883:1993	Codex Stan 57:1981	Canned tomato concentrate - Tomato puree - Specification (first revision)
79.	IS 3884:1993	Codex Stan 57:1981	Canned tomato concentrate - Tomato paste - Specification (first revision)

80.	IS 5800:2003	Codex Stan 45:1981	Orange juice preserved exclusively by physical means - Specification (first revision)
81.	IS 5861:1993	Codex Stan 79:1981	Jams, jellies and marmalades - Specification (first revision)
82.	IS 7732:2003	Codex Stan 48:1981	Apple juice preserved exclusively by physical means - Specification (first revision)
83.	IS 8713:2003	Codex Stan 149:1985	Mango juice preserved exclusively by physical means - Specification (first revision)
84.	IS 14266:1995	Codex Stan 55:1981	Canned mushrooms - Specification
85.	IS 14267(Pt 1):1995	Codex Stan 41:1981	Quick frozen vegetables - Specification : Part 1 Quick frozen peas
86.	IS 14267(Pt 2):1995	Codex Stan 111:1981	Quick frozen vegetables - Specification : Part 2 Quick frozen cauliflower
87.	IS 14267(Pt 3):1995	Codex Stan 77:1981	Quick frozen vegetables : Part 3 Quick frozen spinach
88.	IS 14267(Pt 4):1995	Codex Stan 113:1981	Quick frozen vegetables : Part 4 Quick frozen beans
89.	IS 14703:1999	Codex Stan 162:1987	Vinegar - Specification
90.	IS 15088:2001	Codex Stan 47:1981	Lemon juice preserved exclusively by physical means - Specification
91.	IS 15089:2002	Codex Stan 85:1981	Pineapple juice preserved exclusively by physical means - Specification
92.	IS 15095:2002	Codex Stan 138:1983	Concentrated pineapple juice preserved exclusively by physical means - Specification
93.	IS 15273:2003	Codex Stan 64:1981	Concentrated orange juice preserved exclusively by physical means - Specification

#### **FAD 12**

94.	IS 14890:2001	Codex Stan 94-1981, Rev 1-1995	Sardines - Fresh, frozen and canned - Specification
95.	IS 14891:2001	Codex Stan 119-1981	Mackerel - Fresh, frozen and canned - Specification

#### **FAD 14**

96.	IS 13428:2005	Codex Stan 108:1981, Rev 1-1997 & Codex CAC/RCP 33-1985	Packaged Natural Mineral Water – Specification (second revision)
97.	IS 14543:2004	Codex CAC/RCP 33-1985	Packaged drinking water (other than natural mineral water) - Specification (first revision)

#### **FAD 15**

98.	IS 2491:1998	CAC/RCP-1(1969), Rev 3 1997	Food hygiene – General principles - Code of practice (second revision)
99.	IS 4303(Pt 1):1975	CAC/RCP-9(1976)	Code for hygienic conditions in fish

	Recommended international code of practice for fresh fish	industry: Part 1 Pre-processing stage (first revision)
100. IS 4303(Pt 2):1975	CAC/RCP-10(1976) Recommended international code of practice for fresh fish	Code for hygienic conditions in fish industry: Part 2 Canning stage (first revision)
101. IS 14134:1994	CAC/RCP 6-1976	Code for hygiene practice for processing and handling of quick frozen foods
102. IS 14135:1994	CAC/RCP 5 -1971	Code for hygienic practice for processing handling Dehydrated fruits vegetables including edible fungi
103. IS 14216:1994	FAD/WHO Food Standards	Code for hygienic practice - Programme for spices & condiments processing units
104. IS 14595:1998	CAC/RCP-22(1997)	Food hygiene – Microbiological criteria – Principles for establishment and application
105. IS 15000:1998	Codex ALINORM-97/13A	Food hygiene – hazard analysis and critical control point (HACCP) System and guidelines for its application

**FAD 19**

106. IS 13689:1992	Codex Stan CAC/MI-1973	Butter oil (Butter fat) - Specification
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**ANNEX - III**  
**BUREAU OF INDIAN STANDARDS**

**List of IS No. Covered Under BIS Certification Marks Scheme Under 'FAD'**

( IS Wise)

DATE : 18/03/2014

<u>S No</u>	<u>IS No</u>	<u>Comm No.</u>	<u>Title</u>	<u>No. of Lic</u>
1	IS 253 : 1985	FAD 8	EDIBLE COMMON SALT	1
2	IS 612 : 1992	FAD 23	ROASTED CHICORY POWDER -	1
3	IS 899 : 1971	FAD 16	TAPIOCA SAGO (SABOODANA)	2
4	IS 1007 : 1984	FAD 16	CUSTARD POWDER	2
5	IS 1008 : 2004	FAD 15	HARD BOILED SUGAR CONFECTIONERY	6
6	IS 1011 : 2002	FAD 15	BISCUITS -	9
7	IS 1051 : 1980	FAD 1	PYRETHRUM EXTRACTS	3
8	IS 1159 : 1981	FAD 15	BAKING POWDER	2
9	IS 1165 : 2002	FAD 57	MILK POWDER -	68
10	IS 1166 : 1986	FAD 57	CONDENSED MILK, PARTLY SKIMMED AND SKIMMED CONDENSED MILK	7
11	IS 1223 : 2001	FAD 57	APPARATUS FOR DETERMINATION OF MILK FAT BY GERBER METHOD -	3
12	IS 1251 : 1988	FAD 1	ZINC PHOSPHIDE, TECHNICAL	3
13	IS 1319 : 1983	FAD 16	EDIBLE TAPIOCA STARCH	1
14	IS 1320 : 1988	FAD 15	BAKER'S YEAST	1
15	IS 1374 : 1992	FAD 5	POULTRY FEEDS -	2
16	IS 1488 : 1989	FAD 1	PESTICIDES - 2, 4-D SODIUM SALT, TECHNICAL -	4
17	IS 1507 : 1977	FAD 1	COPPER OXYCHLORIDE WATER DISPERSIBLE POWDER CONCENTRATES	7
18	IS 1656 : 1997	FAD 57	MILK-CEREAL BASED WEANING FOODS -	4
19	IS 1664 : 2002	FAD 5	MINERAL MIXTURES FOR SUPPLEMENTING CATTLE FEEDS -	16
20	IS 1694 : 1994	FAD 8	TARTRAZINE, FOOD GRADE -	5
21	IS 1695 : 1994	FAD 8	SUNSET YELLOW, FOOD GRADE -	5
22	IS 1697 : 1994	FAD 8	ERYTHROSINE, FOOD GRADE -	3
23	IS 1698 : 1994	FAD 8	INDIGO CARMINE, FOOD GRADE -	2
24	IS 1806 : 1975	FAD 18	MALTED MILK FOODS	2
25	IS 1824 : 1978	FAD 1	INSECTICIDAL SPACE SPRAY	4
26	IS 1825 : 1983	FAD 57	ALUMINIUM ALLOY MILK CANS	8
27	IS 1827 : 1989	FAD 1	PESTICIDES - DIMETHYL AMINE SL SALTS OF 2, 4-D -	2
28	IS 1832 : 1978	FAD 1	MALATHION, TECHNICAL	3
29	IS 1970 : 1995	FAD 59	CROP PROTECTION EQUIPMENT - HAND- OPERATED COMPRESSION KNAPSACK SPRAYER -	6
30	IS 1971 : 1996	FAD 59	CROP PROTECTION EQUIPMENT - HAND-OPERATED STIRRUP-TYPE SPRAYER -	5
31	IS 2052 : 1979	FAD 5	COMPOUNDED FEEDS FOR CATTLE	41
32	IS 2358 : 1984	FAD 1	FORMULATIONS BASED ON STABILIZED METHOXY ETHYL MERCURY CHLORIDE (MEMC) CONCENTRATE	1
33	IS 2404 : 1993	FAD 16	MALT EXTRACT -	1
34	IS 2557 : 1994	FAD 8	ANNATTO COLOUR FOR FOOD PRODUCTS -	3
35	IS 2558 : 1994	FAD 8	PONCEAU 4R, FOOD GRADE -	5



<u>S No</u>	<u>IS No</u>	<u>Comm No.</u>	<u>Title</u>	<u>No. of Lic</u>
36	IS 2567 : 1978	FAD 1	MALATHION EMULSIFIABLE CONCENTRATES	16
37	IS 2568 : 1978	FAD 1	MALATHION DUSTING POWDERS	8
38	IS 2569 : 1978	FAD 1	MALATHION WATER DISPERSIBLE POWDER CONCENTRATES	9
39	IS 2785 : 1979	FAD 57	NATURAL CHEESE (HARD VARIETY), PROCESSED CHEESE, PROCESSED CHEESE SPREAD AND SOFT CHEESE	3
40	IS 2791 : 1992	FAD 23	SOLUBLE COFFEE POWDER -	2
41	IS 2802 : 1964	FAD 57	ICE-CREAM	1
42	IS 2923 : 1995	FAD 8	CARMOISINE, FOOD GRADE -	5
43	IS 3062 : 1995	FAD	CROP PROTECTION EQUIPMENT - ROCKER SPRAYER -	16
44	IS 3309 : 1992	FAD 23	SOLUBLE COFFEE-CHICORY POWDER -	3
45	IS 3327 : 1982	FAD 59	PEDAL-OPERATED PADDY THRESHERS	2
46	IS 3383 : 1982	FAD 1	WETTABLE SULPHUR POWDER	10
47	IS 3633 : 1972	FAD 23	TEA	1
48	IS 3652 : 1995	FAD 59	CROP PROTECTION EQUIPMENT - FOOT SPRAYER -	20
49	IS 3899 : 1981	FAD 1	ZINEB WATER DISPERSIBLE POWDERS	2
50	IS 3902 : 1975	FAD 1	DIMETHOATE, TECHNICAL	1
51	IS 3903 : 1984	FAD 1	DIMETHOATE EMULSIFIABLE CONCENTRATES	3
52	IS 3906 : 1995	FAD 59	CROP PROTECTION EQUIPMENT - HAND-OPERATED KNAPSACK SPRAYER, PISTON TYPE -	40
53	IS 4320 : 1982	FAD 1	THIRAM, TECHNICAL	1
54	IS 4447 : 1994	FAD 8	SODIUM BENZOATE, FOOD GRADE -	1
55	IS 4467 : 1996	FAD 8	CARAMEL -	13
56	IS 4684 : 1975	FAD 15	EDIBLE GROUNDNUT FLOUR (EXPPELLER PRESSED)	2
57	IS 4751 : 1994	FAD 8	POTASSIUM METABISULPHITE, FOOD GRADE -	1
58	IS 4752 : 1994	FAD 8	SODIUM METABISULPHITE, FOOD GRADE -	2
59	IS 4766 : 1982	FAD 1	THIRAM WATER DISPERSIBLE POWDERS	4
60	IS 4783 : 1982	FAD 1	THIRAM SEED DRESSING FORMULATIONS	3
61	IS 4808 : 1982	FAD 1	PYRETHRUM EMULSIFIABLE CONCENTRATES	1
62	IS 5135 : Part 1 : 1994	FAD 59	HAND-ROTARY DUSTER - PART 1 : BELLY-MOUNTED TYPE	6
63	IS 5191 : 1993	FAD 8	SODIUM ALGINATE, FOOD GRADE -	1
64	IS 5277 : 1978	FAD 1	DICHLORVOS EMULSIFIABLE CONCENTRATES	22
65	IS 5278 : 1969	FAD 1	DICOFOL, TECHNICAL	1
66	IS 5279 : 1969	FAD 1	DICOFOL EMULSIFIABLE CONCENTRATES	1
67	IS 5342 : 1996	FAD 8	ASCORBIC ACID, FOOD GRADE -	4
68	IS 5346 : 1994	FAD 8	SYNTHETIC FOOD COLOUR - PREPARATIONS AND MIXTURES -	45
69	IS 5470 : 2002	FAD 5	DICALCIUM PHOSPHATE, ANIMAL FEED GRADE -	9
70	IS 5672 : 1992	FAD 5	MINERAL MIXTURES FOR SUPPLEMENTING POULTRY FEEDS -	2
71	IS 5719 : 1970	FAD 8	GELATIN, FOOD GRADE	1
72	IS 5982 : 1970	FAD 2	PLANTATION WHITE SUGAR FOR IDENTIFICATION FROM OTHER SUGARS	1
73	IS 6014 : 1978	FAD 1	EMULSIFIABLE LARVICIDAL OIL, PYRETHRUM BASED	1

<u>S No</u>	<u>IS No</u>	<u>Comm No.</u>	<u>Title</u>	<u>No. of Lic</u>
74	IS 6022 : 1994	FAD 8	FAST GREEN FCF, FOOD GRADE -	1
75	IS 6031 : 1997	FAD 8	CALCIUM PROPIONATE, FOOD GRADE -	1
76	IS 6046 : 1982	FAD 27	GYPSUM FOR AGRICULTURAL USE	1
77	IS 6385 : 1997	FAD 8	SACCHARIN, FOOD GRADE -	1
78	IS 6406 : 1994	FAD 8	BRILLIANT BLUE FCF, FOOD GRADE -	4
79	IS 6438 : 1980	FAD 1	ALUMINIUM PHOSPHIDE FORMULATIONS	4
80	IS 6444 : 1979	FAD 1	SULPHUR DUSTING POWDERS	4
81	IS 7021 : 1973	FAD 15	PROTEIN-RICH FOOD SUPPLEMENTS FOR INFANTS AND PRESCHOOL CHILDREN	1
82	IS 7180 : 1973	FAD 60	DISPOSABLE ARTIFICIAL INSEMINATION GLOVES	1
83	IS 7224 : 2006	FAD 8	IODIZED SALT	32
84	IS 7593 : Part 1 : 1986	FAD 59	POWER-OPERATED PNEUMATIC SPRAYER-CUM-DUSTER - PART 1 : KNAPSACK TYPE	13
85	IS 7948 : 1987	FAD 1	FENTHION EC	2
86	IS 8028 : 1987	FAD 1	QUINALPHOS EC	7
87	IS 8074 : 1990	FAD 1	MONOCROTOPHOS SL -	12
88	IS 8291 : 1976	FAD 1	PHENTHOATE EMULSIFIABLE CONCENTRATES	3
89	IS 8446 : 1991	FAD 1	PESTICIDE - CARBENDAZIM (MBC) WP -	19
90	IS 8498 : 1977	FAD 1	TEMEPHOS EMULSIFIABLE CONCENTRATES	9
91	IS 8707 : 1978	FAD 1	MANCOZEB, TECHNICAL	1
92	IS 8708 : 1978	FAD 1	MANCOZEB WATER DISPERSIBLE POWDER CONCENTRATES	11
93	IS 8944 : 1978	FAD 1	CHLORPYRIFOS EMULSIFIABLE CONCENTRATES	44
94	IS 8960 : 1978	FAD 1	METHYL PARATHION DUSTING POWDERS	6
95	IS 9020 : 2002	FAD 59	POWER THRESHERS - SAFETY REQUIREMENTS	79
96	IS 9354 : 1980	FAD 1	ALACHLOR EMULSIFIABLE CONCENTRATES	1
97	IS 9355 : 1980	FAD 1	BUTACHLOR, TECHNICAL	1
98	IS 9356 : 1980	FAD 1	BUTACHLOR EMULSIFIABLE CONCENTRATES	16
99	IS 9359 : 1995	FAD 1	PESTICIDE - PHORATE G ENCAPSULATED -	12
100	IS 9360 : 1980	FAD 1	CARBOFURAN GRANULES, ENCAPSULATED	13
101	IS 9532 : 1980	FAD 57	CHAKKA AND SHRIKHAND	2
102	IS 9585 : 1980	FAD 57	LACTOMETERS	1
103	IS 9665 : 1981	FAD 1	PROPOXUR EMULSIFIABLE CONCENTRATES	4
104	IS 9971 : 1981	FAD 8	LACTIC ACID, FOOD GRADE	1
105	IS 10243 : 1993	FAD 1	2, 4-D ETHYL ESTER EC -	2
106	IS 10319 : 1982	FAD 1	ETHION EMULSIFIABLE CONCENTRATES	1
107	IS 10508 : 2007	FAD 8	PHOSPHORIC ACID, FOOD GRADE	1
108	IS 11010 : 1984	FAD 1	ZIRAM COLLOIDAL SUSPENSION	2
109	IS 11313 : 1985	FAD 59	HYDRAULIC POWER SPRAYERS	1
110	IS 11536 : 2007	FAD 16	PROCESSED CEREAL BASED COMPLEMENTARY FOODS	14
111	IS 11785 : 1986	FAD 1	CAPTAN (WETTABLE POWDER) WP	3
112	IS 11995 : 1987	FAD 1	ISOPROTURON, WP	4

<u>S No</u>	<u>IS No</u>	<u>Comm No.</u>	<u>Title</u>	<u>No. of Lic</u>
113	IS 11997 : 1987	FAD 1	FENVALERATE EC	1
114	IS 12016 : 1987	FAD 1	CYPERMETHRIN EC	2
115	IS 12232 : Part 1 : 1996	FAD 54	IRRIGATION EQUIPMENT - ROTATING SPRINKLER: PART 1 DESIGN AND OPERATIONAL REQUIREMENTS	17
116	IS 12299 : 1998	FAD 57	DAIRY WHITENER -	7
117	IS 12337 : 1988	FAD 59	MANUALLY OPERATED FERTILIZER BROADCASTER	5
118	IS 12751 : 1989	FAD 1	PESTICIDES - PENDIMETHALIN EC -	12
119	IS 12785 : 1994	FAD 54	IRRIGATION EQUIPMENT - STRAINER-TYPE FILTERS -	34
120	IS 12786 : 1989	FAD 54	IRRIGATION EQUIPMENT - POLYETHYLENE PIPES FOR IRRIGATION LATERALS -	140
121	IS 12912 : 1990	FAD 1	BROMADIOLONE RB -	4
122	IS 12913 : 1990	FAD 1	BROMADIOLONE CB -	3
123	IS 12916 : 1990	FAD 1	ACEPHATE SP -	1
124	IS 12931 : 1990	FAD 1	ATRAZINE WP -	7
125	IS 12981 : 1991	FAD 8	COMMON SALT - IRON FORTIFIED -	4
126	IS 13334 : Part 1 : 1998	FAD 57	SKIMMED MILK POWDER - - PART 1 : STANDARD GRADE	149
127	IS 13334 : Part 2 : 1992	FAD 57	SKIM MILK POWDER - - PART 2 : EXTRA GRADE	37
128	IS 13403 : 1992	FAD 1	PESTICIDE - ANILOPHOS EC -	1
129	IS 13428 : 2005	FAD 14	PACKAGED NATURAL MINERAL WATER -	22
130	IS 13457 : 1992	FAD 1	PESTICIDE - DELTAMETHRIN WP -	8
131	IS 13487 : 1992	FAD 54	IRRIGATION EQUIPMENT - EMITTERS -	95
132	IS 13488 : 2008	FAD 17	IRRIGATION EQUIPMENT-EMITTING PIPE SYSTEMS	109
133	IS 13785 : 1993	FAD 1	PESTICIDE - DODINE WP -	2
134	IS 14151 : Part 1 : 1999	FAD 54	IRRIGATION EQUIPMENT - SPRINKLER PIPES - - PART 1 : POLYETHYLENE PIPES	74
135	IS 14151 : Part 2 : 2008	FAD 54	IRRIGATION EQUIPMENT - SPRINKLER PIPES - - PART 2 : QUICK COUPLED POLYETHYLENE PIPES	143
136	IS 14158 : 1994	FAD 1	CYFLUTHRIN WP -	1
137	IS 14183 : 1994	FAD 1	PESTICIDE - CARTAP HYDROCHLORIDE SP -	2
138	IS 14184 : 1994	FAD 1	PESTICIDE - CARTAP HYDROCHLORIDE G -	8
139	IS 14300 : 1995	FAD 1	NEEM BASED EC CONTAINING AZADIRACHTIN -	9
140	IS 14411 : 1996	FAD 1	DELTAMETHRIN F -	10
141	IS 14433 : 2007	FAD 15	INFANT MILK SUBSTITUTE -	16
142	IS 14482 : 1997	FAD 54	IRRIGATION EQUIPMENT - POLYETHYLENE MICRO TUBES FOR DRIP IRRIGATION -	2
143	IS 14483 : Part 1 : 1997	FAD 54	FERTILIZER AND CHEMICAL INJECTOR SYSTEM - PART 1 VENTURI INJECTOR	2
144	IS 14510 : 1997	FAD 1	LAMBDA-CYHALOTHRIN WP -	7
145	IS 14543 : 2004	FAD 14	PACKAGED DRINKING WATER (OTHER THAN PACKAGED NATURAL MINERAL WATER) -	3713
146	IS 14552 : 1998	FAD 1	THIOPHANATE METHYL, WP -	4
147	IS 14605 : 1998	FAD 54	IRRIGATION EQUIPMENT - MICRO SPRAYER -	1
148	IS 14606 : 1998	FAD 54	IRRIGATION EQUIPMENT - MEDIA FILTER -	5
149	IS 14743 : 1999	FAD 54	IRRIGATION EQUIPMENT - HYDROCYCLONE FILTERS -	10
150	IS 14806 : 2000	FAD 27	AZOSPIRILLUM INOCULANTS	1

<u>S.No</u>	<u>IS No</u>	<u>Comm No.</u>	<u>Title</u>	<u>No. of Lic</u>
151	IS 14807 : 2000	FAD 27	PHOSPHATE SOLUBILISING BACTERIAL INOCULANT (PSBI) -	1
152	IS 14937 : 2001	FAD 1	TRIAZOPHOS EMULSIFIABLE CONCENTRATE -	1
153	IS 15160 : 2002	FAD 1	PRETILACHLOR EMULSIFIABLE CONCENTRATE -	14
154	IS 15182 : 2002	FAD 1	PROPICONAZOLE E.C. -	6
155	IS 15219 : 2002	FAD 1	ALUMINIUM PHOSPHIDE POWDER FORMULATION	1
156	IS 15227 : 2002	FAD 1	DELTAMETHRIN ULV -	5
157	IS 15228 : 2002	FAD 1	CYFLUTHRIN - EMULSION IN WATER (EW) -	1
158	IS 15236 : 2002	FAD 1	PROFENOFOS + CYPERMETHRIN EMULSIFIABLE CONCENTRATE -	1
159	IS 15240 : 2002	FAD 1	PROFENOFOS EMULSIFIABLE CONCENTRATE -	3
160	IS 15335 : 2003	FAD 1	IMIDACLOPRID SL -	5
161	IS 15601 : 2005	FAD 1	CYMOXANIL+MANCOZEB WETTABLE POWDER	1
162	IS 15603 : 2005	FAD 1	ALPHACYPERMETHRIN, WP	6
163	IS 15757 : 2007	FAD 1	FOLLOW-UP FORMULA - COMPLEMENTARY FOODS	9
164	IS 15939 : 2011	FAD 1	PESTICIDE - BIFENTHRIN WETTABLE POWDER	1
<b>TOTAL</b>				<b>5560</b>

\*\*\* END OF REPORT \*\*\*

*Developed By : NIC*

**ANNEX IV**  
**LIST OF STANDARDS WITH ECO-REQUIREMENTS**

**1. Processed Fruits and Vegetables**

**A) Canned Fruits and Vegetables**

IS 2867:1964	Canned mangoes
IS 2868:1964	Canned pineapples
IS 2869: 1964	Canned orange segments
IS 3245:1965	Canned peas
IS 3246:1976	Canned Okra (BHINDI) (first revision)
IS 3247:1976	Canned bitter gourd (KARELA) (first revision)
IS 3248:1993	Canned tomatoes (first revision)
IS 3500:1966	Mango chutney
IS 3501:1966	Pickles
IS 8786:1978	Okra (BHINDI) canned in tomato sauce
IS 9789:1981	Canned apricot
IS 9790:1981	Canned french beans
IS 9791:1981	Canned TINDA
IS 9811:1981	Canned KUNDHI
IS 9812:1981	Canned spinach
IS 9822:1981	Canned PAHWAL
IS 9823:1981	Canned potatoes
IS 10252:1982	Canned carrot in brine
IS 10253:1982	Canned papaya in syrup
IS 13474:1992	Green pepper canned in brine

**B) Dehydrated fruits and Vegetables**

IS 4452:2009	Dehydrated onion
IS 4624:1978	Dehydrated peas (first revision)
IS 4625:1968	Dehydrated carrots
IS 4626:1978	Dehydrated potatoes (first revision)
IS 4627:1968	Dehydrated cabbage
IS 4628:1978	Dehydrated okra (BHINDI) (first revision)

**C) Spices and Condiments**

IS 5452:2008	Dehydrated garlic (second revision)
IS 9486:1980	Dehydrated green pepper

**D) Jams, Jellies and Marmalades**

IS 5861:1993	James, jellies and marmalades (first revision)
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**E) Juices and Concentrates**

IS 3547:1976	Mango nectar (first revision)
IS 3880:1976	Canned mango pulp (first revision)
IS 3881:1993	Tomato juice (first revision)
IS 3882:1966	Tomato ketchup

IS 3883:1993	Tomato puree (first revision)
IS 3884:1993	Tomato paste (first revision)
IS 4935:1968	Synthetic syrups
IS 4936:1968	Fruits squashes
IS 5800:2003	Orange juice
IS 7732:2003	Apple juice
IS 8713:2003	Mango juice
IS 14703:1999	Vinegar - Specification
IS 15088:2001	Lemon juice preserved exclusively by physical means - Specification
IS 15089:2002	Pineapple juice preserved exclusively by physical means – Specification
IS 15095:2002	Concentrated pineapple juice preserved exclusively by physical means
IS 15273:2003	Concentrated orange juice preserved exclusively by physical means

## 2. Infant Foods

IS 1656:2007	Milk cereal based complementary foods - Specification (fourth revision)
IS 14433:2007	Infant milk substitute - Specification
IS 11536:2007	Processed cereal with complimentary food infants
IS 15757:2007	Follow-up formula - Complementary foods - Specification

## 3. Beverages

IS 2346:1992	Carbonated beverages
IS 13019:1991	Non alcoholic beverage base (concentrate) for domestic use

## 4. Tea

IS 3633:2003	Black Tea – Specification
IS 15344:2003	Green tea - Specification

## 5. Coffee

IS 2791:1992	Soluble coffee powder
IS 3077:1992	Soluble coffee powder
IS 3581:1982	Green coffee powder
IS 3802:1992	Roasted coffee powder
IS 3309:1992	Soluble coffee chicory power

## 6. Edible Oils and Vanaspati

IS 75:1973	Linseed oil, raw and refined (second revision)
IS 435:1973	Castor oil (second revision)
IS 542:1968	Coconut oil (second revision)
IS 543:1968	Cottonseed oil (second revision)
IS 544:1968	Groundnut oil (second revision)
IS 545:1984	Mahua oil (third revision)
IS 546:1975	Mustard oil (second revision)
IS 547:1968	Sesae oil (second revision)
IS 3448:1984	Rice bran oil (second revision)
IS 3490:1965	Nigerseed oil

IS 3491:1965	Sanflower oil
IS 4055:1966	Maize (corn) oil
IS 4276:1977	Soyabean oil (first revision)
IS 4277:1975	Sunflower oil (first revision)
IS 5637:1970	Watermelon seed oil
IS 7375:1979	Salseed fat (first revision)
IS 8323:1977	Palm oil
IS 8361:1977	Palm olein
IS 8591:1980	Kokum fat (first revision)
IS 8879:1980	Dhupa fat (first revision)
IS 9231:1979	Mango kernel fat
IS 11069:1984	Refined bleached hydrogenated, winterized and de-odourized (RBHWD) Soyabean oil
IS 10633:1999	Vanaspati
IS 13680:1993	Imported rapeseed oil

## 7. Food Additives

IS 1159:1981	Baking powder
IS 14703:1999	Vinegar
IS 4447:1994	Sodium Benzoate
IS 4751:1994	Potassium Metabisulphite
IS 4752:1994	Sodium Metabisulphite
IS 13186:1991	Citric Acid, Food Grade

ANNEX V

हिंदी/द्विभाषी में भारतीय मानक

क्रम संख्या	मानक	विषय
1.	253:1985 – (हिन्दी)	साधारण खाद्य नमक की विशिष्टि (तीसरा पुनरीक्षण)
2.	544:1968 – (द्विभाषी)	मूँगफली के तेल की विशिष्टि (दूसरा पुनरीक्षण)
3.	920:1972 – (हिन्दी)	पशुओं के लिए नमक और उससे निर्मित चाटने के पिंडों की विशिष्टि (पहला पुनरीक्षण)
4.	1007:1984 – (द्विभाषी)	कस्टर्ड पाउडर की विशिष्टि (दूसरा पुनरीक्षण)
5.	1011:2002 – (हिन्दी)	बिस्कुट – विशिष्टि (चौथा पुनरीक्षण)
6.	1155:1968 – (हिन्दी)	गहूँ के आटे की विशिष्टि (दूसरा पुनरीक्षण)
7.	1165:2002 – (हिन्दी)	दूध पाउडर – विशिष्टि (पाँचवा पुनरीक्षण)
8.	1877:1985 – (द्विभाषी)	मसालों की पारिभाषिक शब्दावली (दूसरा पुनरीक्षण)
9.	2491:1998 – (द्विभाषी)	खाद्य स्वच्छता – सामान्य सिद्धान्त – रीति संहिता (दूसरा पुनरीक्षण)
10.	2557:1994 – (द्विभाषी)	खाद्य पदार्थों के लिए अनैटो रंग - विशिष्टि (तीसरा पुनरीक्षण)
11.	3865:2001 – (द्विभाषी)	बीयर - विशिष्टि (तीसरा पुनरीक्षण)
12.	5839:2000 – (द्विभाषी)	खाद्य स्वच्छता – आइसक्रीम के निर्माण, भण्डारण और बेचने की रीति संहिता (पहला पुनरीक्षण)
13.	6030:1997 – (द्विभाषी)	सोडियम प्रोपियोनेट, खाद्य ग्रेड - विशिष्टि (पहला पुनरीक्षण)
14.	6386:1971 – (द्विभाषी)	बीटा-ऐपो-8'-कैरोटीनल, खाद्य ग्रेड की विशिष्टि
15.	6405:1971 – (द्विभाषी)	कैंथाजैथीन, खाद्य ग्रेड की विशिष्टि
16.	6793:1996 – (द्विभाषी)	फुमैरिक अम्ल, खाद्य ग्रेड – विशिष्टि (पहला पुनरीक्षण)
17.	6968:1973 – (द्विभाषी)	पान की दुकानों और विक्रेताओं के लिए स्वास्थ्यकर अवस्थाओं की संहिता
18.	7021:1973 – (हिन्दी)	शिशुओं और स्कूलपूर्व बच्चों के लिए प्रोटीन-बहुल पूरक खाद्य पदार्थों की विशिष्टि
19.	7260:1974 – (द्विभाषी)	बीटा-ऐपो-8'-कैरोटिनॉइक अम्ल का इथाइल एस्टर, खाद्य ग्रेड की विशिष्टि
20.	7802:1975 – (द्विभाषी)	मिठाई की दुकानों के लिए स्वास्थ्यकर अवस्थाओं की संहिता



21.	7905:1996 – (द्विभाषी)	कैल्शियम अल्जिनेट खाद्य ग्रेड – विशिष्टि (पहला पुनरीक्षण)
22.	7908:1997 – (द्विभाषी)	सल्फर डाइऑक्साइड, खाद्य ग्रेड – विशिष्टि (पहला पुनरीक्षण)
23.	8123:1976 – (द्विभाषी)	कटे-फल, फल-रस तथा फल-सलाद बेचने की स्वास्थ्यकर अवस्थाओं की संहिता
24.	8124:1976 – (द्विभाषी)	गन्ने का रस बेचने के लिए स्वास्थ्यकारी अवस्थाओं की संहिता
25.	9020:2002 – (द्विभाषी)	शक्ति चालित गहाई मशीन (थ्रेशर) – सुरक्षा संबंधी अपेक्षाएँ (पहला पुनरीक्षण)
26.	9505:2007 – (द्विभाषी)	मोनोसोडियम एल ग्लूटामेट, खाद्य ग्रेड – विशिष्टि (पहला पुनरीक्षण)
27.	9632:1980 – (हिन्दी)	फसल संरक्षण उपकरणों के इस्तेमाल और उनके एहतियाती रखरखाव की रीति संहिता
28.	9877:1981 – (हिन्दी)	अनाज कम्बाइन लगाने, चलाने और एहतियाती रखरखाव की रीति संहिता
29.	10501:1983 – (द्विभाषी)	कुल्फी की विशिष्टि
30.	10974(भाग 5):1984 – (द्विभाषी)	देशी दूध उत्पादों के बनानेख परिवहनख संग्रहण और वितरण की स्वास्थ्यकर अवस्थाओं की संहिता : भाग 5 खमीर उठाए गए उत्पाद – श्रीखंड
31.	12199:1987 – (द्विभाषी)	जानवरों द्वारा खीचे जाने वाले हवा भरे पहियों की गाडी की विशिष्टि
32.	12220:1987 – (हिन्दी)	गुलाब जामुन के तैयार मिश्रण की विशिष्टि
33.	13334 Pt 1:1998 – (द्विभाषी)	मलाई रहित दूध पाउडर – विशिष्टि भाग 1 मानक ग्रेड (दूसरा पुनरीक्षण)
34.	14309:1995 – (द्विभाषी)	मिश्रित खाद्य वनस्पति तेल – विशिष्टि

## ANNEX VI

### MEMBERSHIP STATUS IN ISO TECHNICAL COMMITTEES AND SUB-COMMITTEES

SL. No	Sectional Committee Number	Title	Corresponding ISO/TC's and SC's	Membership and Voting Status
1	FAD 1	Pesticides and Pesticides Residue Analysis	ISO/TC 81	O
2	FAD 2	Sugar Industry	NA	NA
3	FAD 3	Apiary Industry	NA	NA
4	FAD 4	Tobacco and Tobacco Products	ISO/TC 126 ISO/TC 126/SC 1, ISO/TC 126/SC 2	P
5	FAD 5	Animal Husbandry, Feeds and Equipment	ISO/TC 34/SC 10, ISO/TC 191	O
6	FAD 6	Stimulant Foods	ISO/TC 34/SC 8, ISO/TC 34/SC 15	P
7	FAD 7	Soil Quality and Fertilizers	ISO/TC 190, ISO/TC 134 ISO/TC 190/ SC 3	P
			ISO/TC 190/SC 1, ISO/TC 190/SC 2, ISO/TC 190/SC 4, ISO/TC 190/SC 5	O
8	FAD 8	Food Additives	NA	NA
9	FAD 9	Spices And Condiments	ISO/TC 34/SC 7	P
10	FAD 10	Processed Fruits And Vegetable Products	ISO/TC 34/SC 3, ISO/TC 34/SC 14	O
11	FAD 11	Agricultural Tractors and Power Tillers	ISO/TC 23/SC 4	P
			ISO/TC 23/SC 2, ISO/TC 23/SC 3, ISO/TC 23/SC 14	O
12	FAD 12	Fish and Fisheries Products	ISO/TC 234	P
13	FAD 13	Oils and Oilseeds	ISO/TC 34/SC 2, ISO/TC 34/SC 11	O
14	FAD 14	Drinks and Drinking Water	NA	NA
15	FAD 15	Food Hygiene, Safety Management & Other Systems	ISO/TC 34, ISO/TC 34/SC 9, ISO/ TC 34/SC 17	P
16	FAD 16	Foodgrains, Starches & Ready to Eat Foods	ISO/TC 34/SC 4	P
			ISO/TC 93	O

17	FAD 17	Farm Irrigation and Drainage Systems	ISO/TC 23	O
			ISO/TC 23/ SC 18	P
18	FAD 18	Slaughter House and Meat Industry	ISO/TC 34/ SC 6	O
19	FAD 19	Dairy Products And Equipment	ISO/TC 34/ SC 5	O
20	FAD 20	Agriculture and Food Processing Equipments	ISO/TC 23/ SC 7	O
21	FAD 21	Farm Implements And Machinery	ISO/TC 23/ SC 6 ISO/TC 23/ SC 13	P
			ISO/TC 23 ISO/TC 23/ SC 7 ISO/TC 23/ SC 15 ISO/TC 23/ SC 17	O
22	FAD 22	Agricultural Systems & Management	NA	NA
23	FAD 23	Biotechnology for Food and Agriculture	ISO/TC 34/SC 16	P
24	FAD 24	Specialized Products	NA	NA
25	FAD 26	Ayurveda	ISO/TC 249	P

**ANNEX VII**  
**LIST OF STANDARDS UNDER MANDATORY CERTIFICATION**

<i>Sl No.</i>	<i>IS No.</i>	<i>Title</i>
1.	IS 1165	Milk powder - Specification
2.	IS 1166	Condensed milk, partly skimmed and skimmed condensed milk - Specification
3.	IS 1656	Milk-cereal based weaning foods - Specification
4.	IS 11536	Processed cereal based complementary foods for infants - Specification
5.	IS 12176	Sweetened ultra high temperature treated condensed milk - Specification
6.	IS 13334(Part 1)	Skimmed milk powder, standard grade - Specification
7.	IS 13334(Part 2)	Skimmed milk powder, extra grade - Specification
8.	IS 14542	Partly skimmed milk powder - Specification
9.	IS 14433	Infant milk substitute, Milk protein based .Specification
10.	IS 13428	Packaged Natural Mineral Water
11.	IS 14543	Packaged Drinking Water (Other than Packaged Natural Mineral Water)
12.	IS 15757	Follow –up – formula- Complimentary Food-Specification

**ANNEX VIII**  
**List of STANDARDS TRANSFERRED TO OTHER DEPARTMENTS**

<i>Sl No.</i>	<i>IS No.</i>	<i>Title</i>	<i>Remarks</i>
1.	1061:1996	Disinfectant fluid, phenolic type	Transferred to CHD
2.	6671:1987	Germination paper (first revision)	-do-
3.	10750:1983	De-odorizing-cum-disinfectant fluids	-do-
4.	9271:1979	Farm drainage plastic pipes	Transferred to CED
5.	3108:1991	Forestry tools – Pruning saw (second revision)	-do-
6.	11250:1985	Bow saw frame	-do-
7.	11251:1985	Bow saw blades	-do-
8.	12127:1987	Two-men cross cut saws	-do-
9.	12128:1987	Reversible handles for two-men cross cut saws	-do-
10.	12412:1988	Setting iron for two-men cross cut saws	-do-
11.	12413:1988	Wooden jointer for two-men cross cut saws	-do-
12.	12515:1988	Wooden setting cat for two-men cross cut saws	-do-
13.	12627:1989	Loop handles for two-men cross cut saws	-do-
14.	12651:1989	Forestry tools – Setting anvil for raker toothed two-men cross cut saws	-do-
15.	12652:1989	Reker adjuster-cum-setting iron	-do-
16.	12696:1989	Setting pliers, bow-saw blades	-do-
17.	12697:1989	Forestry tools – Setting hammer for raker toothed two-men cross cut saws	-do-
18.	12704:1989	Wooden jointer for bow-saw blades	-do-
19.	4054:1966	Specification for Neatsfoot oil	Transferred to CHD
20.	4056:1966	Specification for Fish oil for leather Industry	-do-
21.	12030:1986	Specification for Semi-acid oil	-do-
22.	12031:1986	Specification for Soap stock	-do-
23.	12039:1986	Specification for Spent bleaching earth	Transferred to CHD



**ANNEX IX**  
**SPECIAL PUBLICATION**  
**(SP 44:1989 HANDBOOK OF AGRICULTURAL MACHINERY TERMINOLOGY)**

With the increasing emphasis on farm mechanization for boosting agricultural production and for post-harvest processing, a large number of agricultural machinery for various operations are being designed, developed, manufactured and used in the country. For providing authentic definition of the terms used in respect of various agricultural machinery, a number of Indian Standards have been brought out as well as some definitions covered in various product specifications. However, the need for consolidated publication covering all the terms has always been acutely felt.

The terms included in the Handbook are grouped on the basis of sequence of operations performed by various equipment and are given in the following order:

- a) General terms,
- b) Tractors and power tillers,
- c) Tillage,
- d) Tillage equipment,
- e) Sowing and fertilizers application equipment,
- f) Intercultivation equipment,
- g) Irrigation equipment and systems,
- h) Horticultural equipment,
- i) Forestry equipment,
- k) Plant protection equipment,
- m) Harvesting and threshing equipment,
- n) Farm transport equipment, and
- p) Processing equipment.