

पीसीडी/ PCD

कार्य योजना(1 जून 2014 तक)  
**PROGRAMME OF WORK**  
(AS ON 1 JUNE 2014)

पैट्रोलियम, कोयला एवं संबंधित उत्पाद विभाग(पीसीडी)  
**PETROLEUM, COAL AND RELATED PRODUCTS**  
**DEPARTMENT**  
(PCD)



**भारतीय मानक ब्यूरो**

मानक भवन, 9 बहादुरशाह जफर मार्ग  
नई दिल्ली – 110 002

BUREAU OF INDIAN STANDARDS  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI – 110 002

## PREFACE

A Program of Work is prepared periodically for each Division of Bureau of Indian Standards to indicate the latest position of published standards and draft standards at different stages of processing. This programme of work for Petroleum, Coal and Related Products Division Council (PCDC) has been prepared Sectional Committee-wise as on 1 June 2014 and arranged in the sequential order of the Committee Number.

The scope of PCDC is as under:

*“Standardization in the field of petroleum, petroleum products, lubricants and related products, natural gas, coal and coal based products, bitumen and tar products, alcohols (except alcohols used for edible purpose), organic chemicals and dye-intermediates, natural and synthetic fragrances materials, cosmetics, plastics, rigid, semi-rigid and flexible plastics containers/packaging, rubber and rubber products (excluding rubber products used for automobile industry), flexible and cellular polymeric materials, adhesives, toys and sports goods.”*

In the Programme of Work, an asterisk mark (\*) given before a printed standard indicates that the standard is under revision and its relevant document is available at different stage of processing; whereas, double asterisk (\*\*) indicates standard identified for revision for which document is yet to be prepared. Below the designation of a published standard wherever ‘/ISO/IEC ..... standard number is given, it implies that the Indian Standard is the total adoption of ISO/IEC standard under the dual numbering scheme. (The designations such as IS/ISO 9001/2000 also indicate dual number standards). Below the designation of a published standard, wherever ‘|ISO/IEC .....’ standard number is given, it implies that the Indian Standard is technically equivalent to ISO/IEC Standard.

It is hoped that this publication will provide the community of standard users a convenient tool for obtaining the latest information about new and upcoming standards in the field of petroleum, coal and related products.

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## STATISTICS AT A GLANCE

### ASPECT-WISE POSITION OF STANDARDS

Aspect – wise Break up of Standards (As on 1 Jan 2014) Committee No. Specification	Product	Code of practices	Methods of test	Dimension	Terminology	Symbols	Others	Total
PCD 1			153				4	157
PCD 3	23	2			8		2	35
PCD 6	15		27		2		4	48
PCD 7	4	1	29		2	1	14	51
PCD 9	106		4		1		2	113
PCD 12	93	6					21	120
PCD 13	107	3		1	8		8	127
PCD 18	59	5	22		1		1	88
PCD 19	68	1	4				8	81
PCD 21	35	2	2		1		1	41
PCD 25	72	2					6	80
PCD 26	101		1				6	108
PCD 27			113		2			115
PCD 28	69		2	1			3	75
PCD 29			104				1	105

ASPECT OF STANDARDS	NUMBER OF STANDARDS
PRODUCT	752
METHODS OF TEST	461
CODES OF PRACTICE	22
TERMINOLOGY	25
DIMENSIONS	2
SYMBOLS	1
OTHERS	81
<b>TOTAL</b>	<b>1344</b>

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**PCD 1 Methods of Test for Petroleum, Petroleum Products and Lubricants  
Sectional Committee, PCD 1**

**SCOPE** - To formulate Indian Standards for Sampling and test for Petroleum Products, Lubricants and Relates Products

b) To organize co-relation schemes for evaluating the accuracy and the performance of fuel and lubricant testing engines

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 1447(Part 1):2000	Petroleum and its products - Methods of sampling Part 1 Manual Sampling (first revision)	Mar 2011	
2	IS 1447(Part 2):2013 / ISO 4257:2001	Methods of sampling of petroleum and its products: Part 2 Method of sampling (second revision)		
3	IS 1447(Part 3):1992	Petroleum and its products - Methods of sampling Part 3 Method of Sampling of Semi-solid and soild petroleum products (first revision)	Jul 2013	
4	IS 1447(Part 4):1989	Methods of sampling of petroleum and its products: Part 4 Sampling of petroleum coke for laboratory analysis (first revision)	Jul 2013	
5	IS 1448(Part 1/Sec 2):2002	Methods of Test for Petroleum and Its Products : Part 1/Section 2 - Determination of base number of petroleum products by potentiometric titration (second revision)	Jul 2013	
6	** IS 1448(Part 2):2007 / ISO 6619:1988	Methods of test for petroleum and its products Part 2: Petroleum products and lubricants - Neutralization number - Potentiometric titration method (second revision)	Jul 2013	
7	* IS 1448(Part 3):2007 / ISO 2977:1997	Methods of test for petroleum and its products Part 3: Petroleum products and hydrocarbon solvents - Determination of aniline point and mixed aniline point (third revision)	Jul 2013	
8	* IS 1448(Part 4):2008 / ISO 6245:2001	Methods of test for petroleum and its products Part 4: Petroleum products: Determination of ash (second revision)	Jul 2013	
* INDICATES STANDARDS UNDER REVISION / INDICATES DUAL NUMBER STANDARDS    ** INDICATES STANDARDS TO BE REVISED / INDICATES EQUIVALENT STANDARDS				
9	IS 1448(Part 5):1970	Methods of test for petroleum and its products	Jul 2013	1

: Part 5 Burning quality (first revision)

10	IS 1448(Part 6):1984	Methods of test for petroleum and its products part 6: Heat of combustion of liquid hydrocarbon fuels by bomb calorimeter method (first revision)	Jul 2013	
11	IS 1448(Part 7):2004	Methods of test for petroleum and its products Part 7: Determination of calorific value by calculation (first revision)	Mar 2011	
12	IS 1448(Part 8):2012 / ISO 4262:1993	Methods of test for petroleum and its products Part 8: Carbon residue by Ramsbottom method (first revision)		
13	IS 1448(Part 9):2013 / ISO 5165:1998	Methods of test for petroleum and its products Part 9: Cetane number (first revision)		1
14	IS 1448(Part 11):2004 / ISO 3013:1997	Methods of test for petroleum and its products Part 11: Petroleum products - Determination of freezing point of aviation fuels (fourth revision)	Mar 2011	
15	IS 1448(Part 12):2013 / ISO 2049:1996	Methods of test for petroleum and its products Part 12: Colour by ASTM colour scale (first revision)		
16	IS 1448(Part 13):1960	Method of test for petroleum and its products Part 13: Colour by Lovibond tintometer	Jul 2013	
17	IS 1448(Part 14):1960	Methods of test for petroleum and its products Part 14: Colour by Saybolt chromometer	Jul 2013	
18	IS 1448(Part 15):2004 / ISO 2160:1998	Methods of test for petroleum and its products Part 15: Petroleum products - Corrosiveness to copper - Copper strip test (third revision)	Mar 2011	
19	* IS 1448(Part 16):1990	Methods of test for petroleum and its products: Part 16 Density, relative density or API gravity of crude petroleum and liquid petroleum products by hydrometer method (third revision)	Jul 2013	
20	* IS 1448(Part 18):1991	Methods of test for petroleum and its products: Part 18 Distillation of petroleum products (second revision)	Mar 2011	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
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21	** IS 1448(Part 19):1989	Methods of test for petroleum and its products: Part 19 Doctor Test (first revision)	Jul 2013	
22	* IS 1448(Part 20):1998	Methods of test for petroleum and its products: Part 20 Determination of flash point by Abel apparatus (second revision)	Jul 2013	
23	IS 1448(Part 21):2012 / ISO 2719:2002	Methods of test for petroleum and its products: Part 21 Flash point (closed) by pensky-martens apparatus (third revision)		
24	IS 1448(Part 22):1985	Methods of test for petroleum and its products: Part 22 Asphaltene precipitation with normal heptane (second revision)	Jul 2013	1
25	IS 1448(Part 23):2004 / ISO 3837:1993	Methods of test for petroleum and its products: Part 23 Liquid petroleum gases - Determination of hydrocarbon types - Fluorescent indicator absorption method (fourth revision)	Mar 2011	
26	** IS 1448(Part 25):1976	Methods of test for petroleum and its products: Part 25 Determination of Kinematic and dynamic viscosity (first revision)	Jul 2013	
27	* IS 1448(Part 26):2013 / ISO 5163:2005	Methods of test for petroleum and its products: Part 26 Knock characteristics of motor fuels by the motor method (first revision)		
28	* IS 1448(Part 27):2013 / ISO 5164:2005	Methods of test for petroleum and its products: Part 27 Knock characteristics of motor fuels by the research method (first revision)		
29	* IS 1448(Part 28):2008 / ISO 7536:1994	Methods of test for petroleum and its products: Part 28 Petroleum products - Determination of oxidation stability of gasoline - Induction period method (fourth revision)	Jul 2013	1
30	IS 1448(Part 29):2004 / ISO 6246:1995	Methods of test for petroleum and its products: Part 29 - Petroleum products - Gum content of light and middle distillate fuels - Jet evaporation method (third revision)	Mar 2011	
31	IS 1448(Part 30):2013 / ISO 3735:1999	Methods of test for petroleum and its products: Part 30 Sediment in crude and fuel oils by extraction (first revision)		

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
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32	** IS 1448(Part 31):1968	Methods of test for petroluem and its products: Part 31 Smoke point (first revision)	Jul 2013	
33	** IS 1448(Part 32):1992	Methods of test for petroleum and its products: Part 32 Density and relative density (second revision)	Jul 2013	
34	IS 1448(Part 33):1991	Methods of test for petroleum and its products: Part 33 Sulphur by Bomb method (second revision)	Jul 2013	
35	IS 1448(Part 34):1979	Methods of test for petroleum and its products: Part 34 Determination of sulphur in petroleum products (lamp method) (second revision)	Jul 2013	1
36	IS 1448(Part 39):2012 / ISO 3007:1999	Methods of test for petroleum and its products: Part 39 Vapour pressure by Reid method (first revision)		
37	** IS 1448(Part 40):1987	Methods of test for petroleum and its products: Part 40 Water by distillation (third revision)	Mar 2011	
38	** IS 1448(Part 41):1992	Methods of test for petroleum and its products: Part 41 Water and sediment in crude oils and fuel oils by centrifuge (third revision)	Jul 2013	
39	** IS 1448(Part 42):1977	Methods of test for petroleum and its products: Part 42 Water reaction of aviation fuels (second revision)	Mar 2011	
40	IS 1448(Part 43):1991	Methods of test for petroleum and its products: Part 43 Bromine number by colour indicator method (second revision)	Jul 2013	
41	IS 1448(Part 44):2013 / ISO 3839:1996	Methods of test for petroleum and its products: Part 44 Bromine number by electrometric titration method (third revision)		
42	IS 1448(Part 46):1962	Methods of test for petroleum and its products: Part 46 Knock characteristics of aviation fuels by the supercharge method	Jul 2013	
43	IS 1448(Part 50):1977	Methods of test for petroleum and its products: Part 50 Chlorine in new and used lubricants (sodium alcoholate method) (second revision)	Mar 2011	
44	** IS 1448(Part 51):1963	Methods of test for petroleum and its products: Part 51 Copper strip corrosion test for lubricating greases	Jul 2013	

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45	* IS 1448(Part 52):1971	Methods of test for petroleum and its products: Part 52 Drop Point (first revision)	Jul 2013	1
46	IS 1448(Part 53):1979	Methods of test for petroleum and its products: Part 53 Determination of acidity and alkalinity of greases (first revision)	Jul 2013	
47	* IS 1448(Part 54):2007 / ISO 4265:1986	Methods of test for petroleum and its products: Part 54 Petroleum products - Lubricating oils and additives - Determination of phosphorus content - Quinoline phosphomolybdate method (second revision)	Jul 2013	
48	** IS 1448(Part 55/Sec 1):2004	Methods of test for petroleum and its products: Part 55/Sec 1 Determination of saponification value of petroleum product (first revision)	Mar 2011	
49	** IS 1448(Part 55/Sec 2):2004	Methods of test for petroleum and its products: Part 55/Sec 2 - Saponifiable and unsaponifiable matter in oil, fat and waxes (first revision)	Mar 2011	
50	IS 1448(Part 56):2013 / ISO 2909:2002	Methods of test for petroleum and its products: Part 56 Viscosity index by calculation (second revision)		
51	IS 1448(Part 57):1964	Methods of test for petroleum and its products : Part 57 Consistency of greases at various temperatures	Jul 2013	
52	** IS 1448(Part 58):1991	Methods of test for petroleum and its products: Part 58 Determination of insolubles in greases (first revision)	Jul 2013	
53	IS 1448(Part 59):1991	Methods of test for petroleum and its products: Part 59 Determination of mineral oil content in greases (second revision)	Jul 2013	
54	IS 1448(Part 60):1994	Methods of test for petroleum and its products: Part 60 Consistency of Lubricating greases by cone penetrometer (second revision)	Mar 2011	
55	IS 1448(Part 61):1974	Methods of test for petroleum and its products: Part 61 Evaporation loss in greases (2-hour drying) (first revision)	Jul 2013	
56	IS 1448(Part 62):1974	Methods of test for petroleum and its products: Part 62 Heat stability of greases (first revision)	Jul 2013	

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57	IS 1448(Part 64):1998	Methods of test for petroleum and its products: Part 64 Non-volatile matter in solvents (first revision)	Jul 2013	1
58	IS 1448(Part 65):1986	Methods of test for petroleum and its products: Part 65 Oxidation test for lubricating oils (second revision)	Jul 2013	
59	IS 1448(Part 66):1969	Methods of test for petroleum and its products: Part 66 Flash Point (open) and fire point by pensky-martens apparatus	Jul 2013	
60	** IS 1448(Part 67):1982	Methods of test for petroleum and its products: Part 67 Foaming characteristics of lubricating oils (first revision)	Mar 2011	1
61	** IS 1448(Part 68):1967	Methods of test for petroleum and its products: Part 68 Evaporation loss in greases (22-hours drying)	Jul 2013	1
62	IS 1448(Part 69):2013 / ISO 2592:2000	Methods of test for petroleum and its products: Part 69 Flash and fire point by cleveland (open) cup		
63	** IS 1448(Part 70):1968	Methods of test for petroleum and its products : Part 70 Residue in liquefied petroleum gases	Jul 2013	
64	IS 1448(Part 71):2004 / ISO 4256:1996	Methods of test for petroleum and its products: Part 71 Liquefied petroleum gases - Determination of gauge vapour pressure - LPG Method (second revision)	Mar 2011	
65	IS 1448(Part 72):1968	Methods of test for petroleum and its products : Part 72 Volatility of liquefied petroleum gases	Jul 2013	
66	IS 1448(Part 73):2004 / ISO 8819:1993	Methods of test for petroleum and its products: Part 73 liquefied petroleum gases - Detection of hydrogen sulphide - lead acetate method (first revision)	Mar 2011	
67	IS 1448(Part 74):1968	Methods of test for petroleum and its products: Part 74 Dryness of liquefied petroleum gases	Jul 2013	
68	** IS 1448(Part 76):1968	Methods of test for petroleum and its products: Part 76 Density of liquefied petroleum gases	Jul 2013	
69	IS 1448(Part 78):1973	Methods of test for petroleum and its products: Part 78 Determination of trace elements in petroleum products -- Copper	Jul 2013	1

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70	IS 1448(Part 79):1992	Methods of test for petroleum and its products: Part 79 Determination of trace elements in petroleum products -- Vanadium (first revision)	Jul 2013	
71	IS 1448(Part 81):1973	Methods of test for petroleum and its products: Part 81 Determination of trace elements in Petroleum products -- Total chlorine (wickbold oxyhydrogen combustion method)	Jul 2013	
72	* IS 1448(Part 82):2008 / ISO 3830:1993	Methods of test for petroleum and its products: Part 82 Petroleum products - Determination of lead content of gasoline - iodine monochloride method (first revision)	Jul 2013	1
73	IS 1448(Part 84):1975	Methods of test for petroleum and its products: Part 84 Determination of trace elements in Petroleum products -- Arsenic	Mar 2011	
74	IS 1448(Part 85):1976	Methods of test for petroleum and its products: Part 85 Oil separation on storage of greases	Jul 2013	1
75	** IS 1448(Part 86):1977	Methods of test for petroleum and its products: Part 86 Determination of total base number by potentiometric perchloric acid titration method	Mar 2011	
76	IS 1448(Part 87):1979	Methods of test for petroleum and its products: Part 87 Autoignition temperature of liquid petroleum products	Jul 2013	
77	IS 1448(Part 89):1979	Methods of test for petroleum and its products: Part 89 Test for thermal stability of lubricating greases	Jul 2013	
78	IS 1448(Part 90):2008 / ISO 11009:2000	Methods of test for petroleum and its products: Part 90 Petroleum products and lubricants - Determination of water washout characteristics of lubricating greases (first revision)	Jul 2013	
79	** IS 1448(Part 91):1979	Methods of test for petroleum and its products: Part 91 Emulsion characteristics of petroleum oils and synthetic fluids	Jul 2013	
80	** IS 1448(Part 92):1979	Methods of test for petroleum and its products: Part 92 Cone penetration of petrolatum	Jul 2013	

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81	IS 1448(Part 93):1979	Methods of test for petroleum and its products: Part 93 Needle penetration of petroleum waxes	Jul 2013	
82	IS 1448(Part 94):1980	Methods of test for petroleum and its products: Part 94 Test for oxidation stability of lubricating greases by oxygen bomb method	Jul 2013	
83	** IS 1448(Part 95):1980	Methods of test for petroleum and its products: Part 95 Determination of demulsification number of lubricating oils	Jul 2013	
84	** IS 1448(Part 96):1980	Methods of test for petroleum and its products: Part 96 Rust-preventing characteristics of steam-turbine oil in the presence of water	Jul 2013	
85	** IS 1448(Part 97):1980	Methods of test for petroleum and its products: Part 97 Thermal oxidation stability of aviation turbine fuels (JFTOT method)	Jul 2013	
86	IS 1448(Part 98):1981	Methods of test for petroleum and its products: Part 98 Determination of emulsion stability of emulsifiable cutting oils	Jul 2013	1
87	IS 1448(Part 99):1981	Methods of test for petroleum and its products: Part 99 Determination of frothing characteristics of emulsifiable cutting oils	Jul 2013	1
88	IS 1448(Part 100):1980	Methods of test for petroleum and its products: Part 100 Determination of thermal stability of emulsifiable cutting oils	Jul 2013	1
89	IS 1448(Part 101):1980	Methods of test for petroleum and its products: Part 101 Colorimetric determination of phosphorus in lubricating oils	Jul 2013	1
90	** IS 1448(Part 102):1981	Methods of test for petroleum and its products: Part 102 Determination of air release value	Jul 2013	
91	IS 1448(Part 103):1981	Methods of test for petroleum and its products: Part 103 Barium, calcium, phosphorous and zinc in lubricating oils by direct reading emission spectrographic method	Jul 2013	
92	IS 1448(Part 104):1981	Methods of test for petroleum and its products: Part 104 Aromatics in light naphthas and aviation gasolines by gas chromatography	Jul 2013	

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93	IS 1448(Part 105):1981	Methods of test for petroleum and its products: Part 105 Ultraviolet (UV) absorbance and absorptivity of petroleum products	Jul 2013
94	IS 1448(Part 106):1981	Methods of test for petroleum and its products: Part 106 Determination of oxidation characteristics of inhibited steam-turbine oils	Jul 2013
95	** IS 1448(Part 107):1982	Methods of test for petroleum and its products: Part 107 Precipitation number of lubricating oils	Mar 2011
96	IS 1448(Part 109):2004 / ISO 3012:1999	Methods of test for petroleum and its products: Part 109 Petroleum products - Determination of thiol (mercaptan) sulphur in light and middle distillate fuels - Potentiometric method (first revision)	Mar 2011
97	IS 1448(Part 110):1981	Methods of test for petroleum and its products: Part 110 Cold filter plugging point of distillate fuels	Jul 2013
98	IS 1448(Part 111):1983	Methods of test for petroleum and its products: Part 111 Analysis of liquefied petroleum gases (LPG) and propylene concentrates by gas chromatography	Jul 2013
99	IS 1448(Part 112):1983	Methods of test for petroleum and its products: Part 112 Determination of lead in gasoline by atomic absorption spectrometry	Mar 2011
100	IS 1448(Part 113):1983	Methods of test for petroleum and its products: Part 113 Determination of total acidity in aviation turbine fuel	Mar 2011
101	** IS 1448(Part 114):1984	Methods of test for petroleum and its products: Part 114 Determination of congealing point of petroleum waxes	Jul 2013
102	IS 1448(Part 115):1984	Methods of test for petroleum and its products: Part 115 Determination of salt content in crude petroleum and its products	Jul 2013
103	IS 1448(Part 116):1992	Methods of test for petroleum and its products: Part 116 Determination of cone penetration of lubricating grease using one-quarter and one-half scale-cone	Jul 2013

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104	IS 1448(Part 118):1985	Methods of test for petroleum and its products: Part 118 Naphthalene hydrocarbons in aviation turbine fuel by ultraviolet spectrophotometry	Jul 2013	1
105	IS 1448(Part 119):1985	Methods of test for petroleum and its products: Part 119 Aromatic traces in light saturated hydrocarbons by gas chromatography	Jul 2013	
106	IS 1448(Part 120):1986	Methods of test for petroleum and its products: Part 120 Zinc in lubricating oil	Jul 2013	
107	IS 1448(Part 121):1986	Methods of test for petroleum and its products: Part 121 Barium in lubricating oil additive concentrates	Jul 2013	
108	IS 1448(Part 122):2013 / ISO 6615:1993	Methods of test for petroleum and its products: Part 122 Conradson carbon residue of petroleum products (first revision)		
109	IS 1448(Part 123):2013 / ISO 7624:1997	Methods of test for petroleum and its products: Part 123 Oxidation stability of inhibited mineral turbine oils		
110	IS 1448(Part 124):1987	Methods of test for petroleum and its products: Part 124 Dilution of gasoline engine crankcase oils	Mar 2011	
111	** IS 1448(Part 125):1987	Methods of test for petroleum and its products: Part 125 Estimation of deleterious particles in lubricating grease	Mar 2011	
112	** IS 1448(Part 126):1988	Methods of test for petroleum and its products: Part 126 Determination of ash content in raw and calcined petroleum coke	Mar 2011	
113	IS 1448(Part 127):1988	Methods of test for petroleum and its products: Part 127 Determination of iron in petroleum coke	Mar 2011	
114	IS 1448(Part 128):1988	Methods of test for petroleum and its products: Part 128 Determination of nickel in calcined petroleum coke	Mar 2011	
115	IS 1448(Part 129):1988	Methods of test for petroleum and its products: Part 129 Determination of polymeric content in lubricating oils base stock	Mar 2011	
116	IS 1448(Part 130):1988	Methods of test for petroleum and its products: Part 130 Determination of vibrated bulk density of calcined petroleum coke	Mar 2011	

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117	IS 1448(Part 131):1988	Methods of test for petroleum and its products: Part 131 Determination of silicon in petroleum coke	Mar 2011
118	IS 1448(Part 132):1989	Methods of test for petroleum and its products: Part 132 Determination of moisture content in raw and calcined petroleum coke	Jul 2013
119	IS 1448(Part 133):1989	Methods of test for petroleum and its products: Part 133 Determination of real density of calcined petroleum coke	Jul 2013
120	IS 1448(Part 134):1989	Methods of test for petroleum and its products: Part 134 Determination of volatile matter in raw and calcined petroleum coke	Jul 2013
121	IS 1448(Part 135):2013 / ISO 9029:1990	Methods of test for petroleum and its products: Part 135 Determination of water in crude oil by distillation (first revision)	
122	* IS 1448(Part 136):1991	Methods of test for petroleum and its products: Part 136 Determination of loss of lubricating oils (NOACKS Method)	Jul 2013
123	IS 1448(Part 137):1991	Methods of test for petroleum and its products: Part 137 Water separation characteristics of Aviation Turbine Fuels	Jul 2013
124	IS 1448(Part 138):1992	Methods of test for petroleum and its products: Part 138 Determination of soap content	Jul 2013
125	IS 1448(Part 139):1992	Methods of test for petroleum and its products: Part 139 Determination of real density of calcined petroleum coke using butanol or toluene	Jul 2013
126	IS 1448(Part 140):1992	Methods of test for petroleum and its products: Part 140 Determination of apparent density of petroleum coke by mercury pyknometer method	Jul 2013
127	IS 1448(Part 141):1992	Methods of test for petroleum and its products: Part 141 Determination of apparent density of petroleum coke by helium method	Jul 2013
128	IS 1448(Part 142):1993	Methods of test for petroleum and its products: Part 142 Determination of water separation characteristics of aviation turbine fuels by portable separometer	Mar 2011

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
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129	IS 1448(Part 143):1993	Methods of test for petroleum and its products: Part 143 Evaluation of white mineral oils by Ultraviolet Absorption	Mar 2011
130	IS 1448(Part 144):1993	Methods of test for petroleum and its products: Part 144 Non-condensable gases in C2 and lighter hydrocarbon products by Gas Chromatography	Mar 2011
131	IS 1448(Part 145):1994	Methods of test for petroleum and its products: Part 145 Sodium, Nickel and Vanadium in fuel oils and crude oils by atomic absorption spectroscopy	Mar 2011
132	** IS 1448(Part 146):1998	Methods of test for petroleum and its products: Determination of yield stress and viscosity of engine oils at low temperature	Mar 2011
133	IS 1448(Part 147):1998	Methods of test for petroleum and its products: Determination of potential gum in motor gasolines	Mar 2011
134	** IS 1448(Part 148):2002	Methods of test for petroleum and its products : Part 148 - Determination of electrical conductivity of aviation and distillate fuels containing static dissipator additive	Jul 2013
135	IS 1448(Part 151):2004 / ISO 7941:1988	Methods of Test for petroleum and its products - Part 151 - Commercial propane and butane - Analysis by Gas Chromatography	Mar 2011
136	IS 1448(Part 152):2004 / ISO 6251:1996	Methods of Test for petroleum and its products - Part 152 - Liquefied petroleum gases - Corrosiveness to copper - Copper strip test	Mar 2011
137	IS 1448(Part 153):2012 / ISO 20847:2004	Methods of test for petroleum and its products: Part 153 Petroleum products - Determination of sulfur content of automotive fuels - Energy-dispersive X-ray fluorescence spectrometry	
138	IS 1448(Part 154):2012 / ISO 12205:1995	Methods of test for petroleum and its products: Part 154 Determination of the oxidation stability of middle-distillate fuels	
139	IS 7895:1975	Tests for fire resistant characteristics of hydraulic fluids used in mining machinery	Apr 2013

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS



140	IS 1448(Part 149):2004 / ISO 12156-1:1997	Methods of test for petroleum and its products Part 149 - Diesel fuels - Assessment of lubricity using the high-frequency reciprocating rig (HFRR) - Test method	Mar 2011
141	IS 1448(Part 150):2004 / ISO 13757:1996	Methods of Test for petroleum and its products - Part 150 - Liquefied petroleum gases - Determination of oily residues - High temperature method	Mar 2011
142	IS 14504:1998 / ISO 6976:1995	Natural Gas - Calculation of calorific values, density, relative density and Wobbe Index from composition	Dec 2011
143	IS 15125:2002 / ISO 10715:1997	Natural gas - Sampling guidelines	Jun 2007
144	IS 15128:2002 / ISO 10723:1995	Natural gas - Performance evaluation for on line analytical system	Apr 2013
145	IS 15129:2002 / ISO 14111:1997	Natural gas - guidelines to traceability in analysis	Jun 2007
146	IS 15130(Part 1):2002 / ISO 6974-1	Natural Gas - Determination of composition with defined uncertainty by gas chromatography: Part 1 Guidelines for tailored analysis	Jun 2007
147	IS 15130(Part 2):2002 / ISO 6974	Natural gas -- Determination of composition and associated uncertainty by gas chromatography -- Part 2: Uncertainty calculations	Jul 2007
148	IS 15130(Part 3):2002 / ISO 6974-3	Natural Gas - Determination of composition with defined uncertainty by gas chromatography: Part 3 Determination of hydrogen, helium, inert gases and hydrocarbons up to C8 using two packed columns	Jun 2007
149	IS 15130(Part 4):2002 / ISO 6974-4	Natural Gas - Determination of composition with defined uncertainty by gas chromatography: Part 4 Determination of nitrogen, carbon dioxide and hydrocarbons C1 upto C5 and C6+ for a laboratory and online measuring system	Jun 2007

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

150	IS 15130(Part 5):2002 / ISO 6974-5	Natural Gas - Determination of composition with defined uncertainty by gas chromatography: Part 5 Determination of nitrogen, carbon dioxide and (C1 upto C5 and C6+) hydrocarbons for a laboratory and online process application using three columns	Jun 2007
151	IS 15305(Part 1):2003 / ISO 12213-1:1997	Natural gas - Calculation of compression factor - Part 1: Introduction and guidelines	Sep 2009
152	IS 15305(Part 2):2003 / ISO 12213-2:1997	Natural gas - Calculation of compression factor - Part 2 : Calculation using molar-composition analysis	Sep 2009
153	IS 15305(Part 3):2003 / ISO 12213-3:1997	Natural gas - Calculation of compression factor - Part 3 : Calculation using physical properties	Sep 2009
154	IS 15319:2003 / ISO 13734:1998	Natural gas - Organic sulphur compounds used as odorants - Requirements and test methods [IS 15319:2003]	Sep 2009
155	IS 15641(Part 1):2006 / ISO 10101-1:1993	Natural gas - Determination of water by the Karl Fisher Method - Part 1 Introduction	Dec 2011
156	IS 15641(Part 2):2006 / ISO 10101-2:1993	Natural gas - Determination of water by the Karl Fisher Method - Part 2 Titration procedure	Dec 2011
157	IS 15641(Part 3):2000 / ISO 10101-3:1993	Natural gas - Determination of water by the Karl Fisher Method - Part 3 Coulometric method	Sep 2009

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

1	DOC.PCD 1(2412) / ISO 2176:1996	Methods of test for petroleum and its products: Part 52 - Petroleum products - Lubricating grease - Determination of dropping point (second revision of IS 1448 (Part 52)/ ISO 2176:1996
2	DOC.PCD 1(2597)	IS 1448 (Part 2 / Section 1) Methods of test for petroleum and its products : Part 2 / Section 1 Acidity [second revision of IS 1448 (Part 2)]
3	DOC.PCD 1(2605) / ISO 12156-1:2006	Methods of test for petroleum and its products: Part 149 Diesel fuel - Assessment of lubricity using the high -frequency reciprocating rig (HFRR) - Test method [first revision IS 1448 (Part 149)]

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    / INDICATES EQUIVALENT STANDARDS

- |   |                 |  |
|---|-----------------|--|
| 4 | DOC.PCD 1(2676) | Methods of test for petroleum and its products: Part 18 Distillation of petroleum products [third revision of IS 1448 (Part 18)]   |
| 5 | DOC.PCD 1(2724) | Methods of test for petroleum and its products : Part 54 Determination of phosphorus content - quinoline phosphorously bdate method [third revision of IS 1448(Part 54)] |
| 6 | DOC.PCD 1(2727) | Methods of test for petroleum and its products : Part 20 Determination of flash point - Abel closed-up method [third revision of IS 1448 (Part 20)]                      |

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

- |   |                                    |  |
|---|------------------------------------|--|
| 1 | DOC.PCD 1(2795)<br>/ ISO 3104:1994 | Methods of test for petroleum and its products: Part 25/ Section 1 Transparent and opaque liquids - Determination of kinematic viscosity and calculation of dynamic viscosity [second revision of is 1448 (Part 25)] |
| 2 | DOC.PCD 1(2608)                    | Methods of test for petroleum and its products [Part : ] Rust protection by metal preservatives in the humidity cabinet  |
| 3 | DOC.PCD 1(2657)                    | Methods of test for petroleum and its products: Part 136 Determination of evaporation loss of lubricating oils (NOACK Method) [First Revision IS 1448 (Part 136)]  |
| 4 | DOC.PCD 1(2670)                    | IS 1448 Methods of test for petroleum and its products [Part : 155] Determination of trace nitrogen in liquid petroleum hydrocarbons by syringe/inlet oxidative combustion and chemiluminescence detection           |
| 5 | DOC.PCD 1(2759)<br>/ ISO 6249:1999 | Methods of test for petroleum and its products: Part 97 Determination of thermal oxidation stability of gas turbine fuels — JFTOT method [first revision of IS 1448 (Part 97)]                                       |
| 6 | DOC.PCD 1(2760)<br>/ ISO 3733:1999 | Methods of test for petroleum and its products: Part 40 Petroleum products and bituminous materials — Determination of water — Distillation method [fourth revision of IS 1448 (Part 40)]                            |

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

7	DOC.PCD 1(2761) / ISO 6247:1998	Methods of test for petroleum and its products: Part 67 Determination of foaming characteristics of lubricating oils [second revision of IS 1448 (Part 67)]
8	DOC.PCD 1(2762) / ISO 2137:2007	Methods of test for petroleum and its products: Part 92 Determination of cone penetration of lubricating greases and petrolatum [first revision of IS 1448 (Part 92)]
9	DOC.PCD 1(2763)	Methods of test for petroleum and its products: Part 31 Determination of smoke point [second revision of IS 1448 (Part 31)]
10	DOC.PCD 1(2773) / ISO 6250:1997	Methods of test for petroleum and its products Part 42 Determination of the water reaction of aviation fuels (third revision of IS 1448 (Part 42))
11	DOC.PCD 1(2774) / ISO 5275:2003	Methods of test for petroleum and its products: Part 19 Detection of thiols and other sulphur species - Dector test [second revision of IS 1448 (Part 19)]
12	DOC.PCD 1(2777)	Methods of test for petroleum and its products: Part Determination of sulphur content of automotive fuels - wavelength-dispersive x-ray fluorescence spectrometry
13	DOC.PCD 1(2779)	Methods of test for petroleum and its products: Part Determination of sulphur content of automotive fuels - ultraviolet fluorescence method (new part of IS 1448)
14	DOC.PCD 1(2783) / ISO 5661:1983	Methods of test for petroleum and its products: Part Hydrocarbon liquids - Determination of refractive index [new part of IS 1448]
15	DOC.PCD 1(2784) / ISO 13932:2012	Methods of test for petroleum and its products: Part Determination of low concentration of sulphur in automotive fuels - Energy - dispersive x-ray fluorescence spectrometric method (New Part of IS 1448)
16	DOC.PCD 1(2796) / ISO 3105	Methods of test for petroleum and its products: Part 25/ Section 2 Glass capillary kinematic viscometers - Specifications and operating instructions [second revision of IS 1448 (Part 25)]

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

17 DOC.PCD 1(2819) Methods of test for petroleum and its products  
: Part 55 / Section 1 Determination of  
saponification number: Subsection 2  
Potentiometric titration method [second  
revision of IS 1448 (Part 55 / Section 1)]

**P-DRAFT UNDER PREPARATION**

1 DOC.PCD 1(2675) Methods of test for petroleum and its products  
[Part : 156] Determination of load-carrying  
capacity of lubricating grease (Timken Method)  
[IS 1448(Part 156)]

2 DOC.PCD 1(2758) Methods of test for petroleum and its products  
- Part - Determination of insoluble  
contamination of hydraulic fluids by  
gravimetric analysis (new part of IS 1448)

**ASPECT WISE REPORT**

METHODS OF TEST	153
OTHERS	4

**TOTAL : 157**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS       | INDICATES EQUIVALENT STANDARDS*

### PCD 3 Petroleum and Related Products Sectional Committee

**SCOPE** - To formulate Indian Standards for terminology; petroleum, petroleum products, biofuels, specification for natural gas, codes of practice for storage, handling, transport and application

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 537:2011	Toluene - Specification (second revision)		
2	* IS 1459:1974	Specification for kerosene (second revision)	Dec 2011	3
3	IS 1460:2005	Diesel fuels - Specification (fifth revision)	Dec 2011	3
4	IS 1571:2008	Aviation turbine fuels, kerosene type jet, A-1 - Specification (Eighth Revision)	Apr 2013	
5	* IS 1587:1984	Specification for aviation turbine fuels high flash point type (third revision)	Dec 2011	
6	IS 1593:1982	Specification for fuel oil (second revision)	Sep 2009	2
7	IS 1604:2012	Aviation Gasoline - Specification (fourth revision of IS 1604)		
8	IS 1745:1978	Specification for petroleum hydrocarbon solvents (second revision)	Dec 2011	
9	* IS 2796:2008	Motor gasoline - Specification (fourth revision)	Apr 2013	1
10	* IS 3470:2002	Specification of hexane, food grade (first revision)	Apr 2013	1
11	IS 4576:1999	Liquefied petroleum gases - Specification (second revision)	Sep 2009	1
12	IS 4639(Part 1):2000 / ISO1998-1:1998	Petroleum Industry - Terminology - Part 1 Raw materials and products (first revision)	Dec 2011	
13	IS 4639(Part 2):2000 / ISO 1998-2:1998	Petroleum Industry - Terminology Part 2 Properties and tests (first revision)	Dec 2011	
14	IS 4639(Part 3):2000 / ISO 1998-3:1998	Petroleum Industry - Terminology - Part 3 Exploration and products(first revision)	Dec 2011	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

15	IS 4639(Part 4):2000 / ISO 1998-4:1998	Petroleum Industry - Terminology Part 4 - Refinery (first revision)	Dec 2011	
16	IS 4639(Part 5):2000 / ISO 1998-5:1998	Petroleum Industry - Terminology Part 5 Transport, storage and distribution (first revision)	Dec 2011	
17	IS 4639(Part 6):2002 / ISO 1998-6:2000	Petroleum industry terminology Part 6 measurements (first revision)	Dec 2011	
18	IS 4639(Part 7):2000 / ISO 1998-7:1998	Petroleum Industry - Terminology Part 7 Miscellaneous (first revision)	Dec 2011	
19	IS 4639(Part 99):2002 / ISO 1998-99:2000	Petroleum Industry Terminology Part 99 - General and index (first revision)	Apr 2013	
20	IS 4654:1993	Paraffin wax - Specification (second revision)	Dec 2011	1
21	** IS 7667:1975	Code of practice for handling and storage of aviation fuels at airfield fuelling stations	Dec 2011	
22	IS 8502:1994	Specification for petroleum coke (first revision)	Dec 2011	
23	IS 11254:1999	Code of practice for dispensation of aviation fuel and allied products (first revision)	Sep 2009	
24	IS 11488:1985	Specification for fuel oil for use in marine diesel engines	Dec 2011	1
25	IS 11489:1985	Specification for Heavy Petroleum stock (HPS)	Dec 2011	2
26	IS 13833:1993	Specification for Micro-crystalline wax	Sep 2009	
27	IS 14861:2000	Liquefied petroleum gases (LPG) for automotive purposes	Dec 2011	
28	IS 15126:2002 / ISO 13443:1996	Natural gas- standard reference conditions	Apr 2013	
29	* IS 15127:2002 / ISO 13686:1998	Natural gas - quality designation	Apr 2013	
30	IS 15217:2002	Fuel oil for diesel generating set - Specification	Apr 2013	
31	IS 15320(Part 1):2012 / ISO 15403-1:2006	Natural gas - Natural gas for use as a compressed fuel for vehicals - Part 1 Designation of the quality (first revision)	Apr 2013	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

32	IS 15607:2005	Bio-diesel (B100) blend stock for diesel fuel - Specification	Dec 2011	1
33	IS 15770:2008	Light diesel oil - specification	Apr 2013	
34	IS 15958:2012	Compressed Natural Gas (CNG) for automotive purposes		
35	IS 16087:2000	Biogas (Bio-Methane)		

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

1	DOC.PCD 3(2699)	Draft Amendment No. 2 to IS 2796:2008 Motor Gasoline		
2	DOC.PCD 3(2723)	IS 2796:2008 Motor Gasoline - Specification (fifth revision)		

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

1	DOC.PCD 3(2355)	Specification for Aviation Turbine Fuels High Flash Point Type (Fourth Revision)		
2	DOC.PCD 3(2642)	Draft Amendment No. 4 to IS 1571:2008		

#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 3(2701)	Hexane food grade (second revision)		
2	DOC.PCD 3(2705)	Amendment No. 1 to IS 1745:1978 Petroleum hydrocarbon solvents (second revision)		
3	DOC.PCD 3(2748)	Natural gas - Quality designation (first revision of IS 15127)		
4	DOC.PCD 3(2749)	ISO 8216-1:2010 Petroleum products - Fuels (class F) classification - Part 1: Categories of marine fuels		
5	DOC.PCD 3(2750)	ISO 8216-2:1986 Petroleum products - Fuels (class F) classification - Part 2: Categories of gas turbine fuels for industrial and marine applications		
6	DOC.PCD 3(2751)	ISO 8216-3:1987 Petroleum products - Fuels (class F) classification - Part 3: Family L (Liquefied petroleum gases)		

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**



7	DOC.PCD 3(2752) / ISO 8216-99:2002	Petroleum products - Fuels (class F) - Classification - Part 99: General
8	DOC.PCD 3(2753)	ISO/TS 11366:2011 Petroleum and related products - Guidance for in-servicing of lubricating oils for steam, gas and combined - cycle turbines
9	DOC.PCD 3(2754)	ISO/TS 11365:2011 Petroleum and related products - Guidance for the maintenance and use of triay1 phosphate ester turbine - control fluids
10	DOC.PCD 3(2755)	ISO 8217:2012 Petroleum products - Fuels (class F) - Specifications of marine fuels
11	DOC.PCD 3(2757)	Kerosene - Specification (third revision of IS 1459)

**ASPECT WISE REPORT**

PRODUCT	23
CODE OF PRACTICES/GUIDES	2
TERMINOLOGY	8
OTHERS	2

**TOTAL : 35**

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

**PCD 6 Bitumen, Tar and Their Products Sectional Committee**

**SCOPE** - To formulate Indian Standards for terminology, methods of sampling and test and specification for;

- a) Coal tar;
- b) Coal tar oils;
- c) Coal tar pitches;
- d) Road tar;
- e) Bitumen including cut-back bitumen and bitumen emulsions;
- f) Bitumen additives, modified bitumen; and
- g) Industrial bitumen.

<b>Sl. No.</b>	<b>IS Number/ DOC Number</b>	<b>Title</b>	<b>Reaffirm Date</b>	<b>Amd.</b>
<b>STANDARDS PUBLISHED</b>				
1	IS 73:2013	Specification for paving bitumen (third revision)		
2	IS 212:1983	Specification for crude coal tar for general use (second revision)	Dec 2013	
3	IS 215:1995	Road tar - Specification (third revision)	Aug 2011	
4	* IS 216:2006	Specification for coal tar pitch (second revision)	Aug 2011	
5	IS 217:1988	Specification for cutback bitumen (second revision)	Jul 2009	
6	IS 218:1983	Specification for cresote oil for use as wood preservatives (second revision)	Dec 2013	1
7	IS 334:2002	Glossary of terms relating to bitumen and tar (third revision)	Dec 2013	
8	IS 454:1994	Cutback bitumen from waxy crude - Specification (second revision)	Jul 2009	
9	IS 702:1988	Specification for industrial bitumen (second revision)	Jul 2009	1
10	IS 1201:1978	Methods for testing tar and bituminous materials; sampling (first revision) (IS 1201 to IS 1220 in one volume)	Jul 2009	
11	IS 1202:1978	Methods for testing tar and bituminous materials; Determination of specific gravity (first revision)	May 2008	2

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

12	IS 1203:1978	Methods of testing tar and bituminous materials; Determination of penetration (first revision)	May 2008	3
13	IS 1204:1978	Methods for testing tar and bituminous materials; Determination of residue of specified penetration (first revision)	Jul 2009	1
14	IS 1205:1978	Methods for testing tar and bituminous materials; Determination of softening point (first revision)	Jul 2009	1
15	IS 1206(Part 1):1978	Methods for testing tar and bituminous materials; Determination of viscosity, Part 1: Industrial viscosity (first revision)	Jul 2009	2
16	IS 1206(Part 2):1978	Methods of testing tar and bituminous materials; Determination of viscosity, Part 2 Absolute Viscosity (first revision)	Jul 2009	2
17	IS 1206(Part 3):1978	Methods for testing tar and bituminous materials; Determination of viscosity, Part 3 Kinematic viscosity (first revision)	Jul 2009	2
18	IS 1207:1978	Methods for testing tar and bituminous materials; Determination of equiviscous temperature (EVT) (first revision)	Jul 2009	
19	IS 1208:1978	Methods for testing tar and bituminous materials; Determination of ductility (first revision)	Jul 2009	2
20	IS 1209:1978	Methods for testing tar and bituminous materials; Determination of flash point and fire point (first revision)	Jul 2009	1
21	IS 1210:1978	Methods for testing tar and bituminous materials; Float test (first revision)	Jul 2009	
22	IS 1211:1978	Methods for testing tar and bituminous materials; Determination of water content (Dean and Stark method) (first revision)	Jul 2009	
23	IS 1212:1978	Methods for testing tar and bituminous materials; Determination of loss on heating (first revision)	Jul 2009	
24	IS 1213:1978	Methods for testing tar and bituminous materials; Distillation test (first revision)	Jul 2009	
25	IS 1215:1978	Methods of testing tar and bituminous materials; Determination of matter insoluble in toluene (first revision)	Jul 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

26	IS 1216:1978	Methods for testing tar and bituminous materials; Determination of solubility in carbon disulphide, carbon tetrachlorate or trichloroethylene (first revision)	Jul 2009	2
27	IS 1217:1978	Methods for testing tar and bituminous materials; Determination of mineral matter (Ash) (first revision)	May 2008	1
28	IS 1218:1978	Methods for testing tar and bituminous materials: Determination of phenols (first revision)	Jul 2009	2
29	IS 1219:1978	Methods for testing tar and bituminous materials: Determination of naphthalene (first revision)	Jul 2009	
30	IS 1220:1978	Methods for testing tar and bituminous materials: Determination of volatile matter content (first revision)	Jul 2009	
31	IS 3116:2002	Sealing compound for lead-acid batteries	Dec 2013	1
32	IS 3117:2004	Bitumen emulsion for roads (anionic type) (first revision) - Specification	Jul 2009	
33	IS 5451:2001	Glossary of terms relating to coal carbonization products (first revision)	Dec 2013	
34	IS 8887:2004	Bitumen emulsion for roads (cationic type) (second revision) - Specification	Jul 2009	
35	IS 9381:1979	Methods for testing tar and bituminous materials: Determination of FRAASS breaking point of bitumen	Jul 2009	1
36	IS 9382:1979	Methods for testing tar and bituminous materials: Determination of effect of heat and air by thin film oven test	Jul 2009	1
37	IS 9912:2008	Coal tar based coating materials and suitable primers for protecting iron or steel pipelines		
38	IS 10511:1983	Method for determination of asphaltenes in bitumen by precipitation with normal heptane	Jul 2009	2
39	IS 10512:2003	Method for determination of wax content in bitumen (first revision)	Jul 2009	
40	IS 13758(Part 1):1993	Coal Tar Pitch; Methods of test Part 1: Determination of matter insoluble in quinoline	Jul 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

41	IS 13758(Part 2):1993	Coal tar pitch: Methods of test Part 2; Determination of coking value	Jul 2009	
42	IS 14982:2001	Anti-Spripping Agents (Amine type)	Dec 2013	
43	IS 15172:2002	Methods for testing tar and bituminous materials - Determination of curing index for cutback bitumens	Dec 2013	
44	IS 15173:2002	Methods of test for tars and bituminous materials - Determination of breaking point for cationic bitumen emulsions	Dec 2013	
45	IS 15174:2002	Methods for testing tar and bituminous materials - Determination of breaking point for anionic bitumen emulsions	Dec 2013	
46	IS 15462:2004	Polymer and rubber modified bitumen - Specification	Jul 2009	3
47	IS 15799:2007	Methods for Testing tar and bituminous materials : Determination of Durability of bitumen	Dec 2013	
48	IS 15808:2008	Multigrade bitumen for use in pavement construction - Specification	Dec 2013	

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

1	DOC.PCD 6(2621)	Bitumen Emulsion for Roads (Cationic Type) - Specification (third revision of IS 8887)		
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#### **DRAFT STANDARDS FORMULATED**

1	DOC.PCD 6(2509)	Modified Bitumen Emulsion - Specification		
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#### **ASPECT WISE REPORT**

PRODUCT	15
METHODS OF TEST	27
TERMINOLOGY	2
OTHERS	4

**TOTAL : 48**

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

**PCD 7 Solid Mineral Fuels Sectional Committee**

**SCOPE** - To formulate Indian Standards for terminology; methods of sampling and test; codes of practice; classification by size and type; petrographic analysis; and specification for solid mineral fuels

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 436(Part 1/Sec 1):1964	Methods for sampling of coal and coke: Part I Sampling of coal/Section 1: Manual sampling (first revision)	Mar 2013	
2	* IS 437:1979	Size analysis of coal and coke for marketing (third revision)	Mar 2013	
3	* IS 439:1989	Industrial coke - Specification (third revision) (Superseding IS 4836:1968, IS 5615:1970, IS 6372:1971 and IS 7189:1974)	Nov 2010	
4	IS 770:2013	Classification and Codification of Indian Coals, Lignites and Pseudo/Semi Anthracite (third revision)		
5	IS 1350(Part 1):1984	Methods of test for coal and coke: Part I Proximate analysis (second revision)	Mar 2013	1
6	* IS 1350(Part 2):1970	Methods of test for coal and coke: Part II Determination of calorific value (first revision)	Nov 2010	1
7	* IS 1350(Part 3):1969	Methods of test for coal and coke: Part III Determination of sulphur (first revision)	Nov 2010	1
8	* IS 1350(Part 4/Sec 1):1974	Methods of test for coal and coke: Part IV Ultimate analysis: Section 1 - Determination of carbon and hydrogen (first revision) [Superseding IS 1351:1959]	Nov 2010	
9	IS 1350(Part 4/Sec 2):1975	Methods of test for coal and coke: Part IV Ultimate analysis, Section 2 - Determination of nitrogen (first revision) [Superseding IS 1351:1959]	Nov 2010	2
10	IS 1350(Part 5):1979	Methods of test for coal and coke: Part V Special impurities (first revision) (superseding IS:1352-1959)	Mar 2013	
11	* IS 1353:1993	Methods of test for coal carbonization - caking index, swelling number and (LT)grey King assay (First Revision)	Nov 2010	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

12	* IS 1354:1992	Methods of test for coke special test (second revision)	Nov 2010	
13	IS 1355:1984	Methods of determination of chemical composition of ash of coal and coke (first revision)	Mar 2013	1
14	* IS 3746:1984	Graphical symbols for coal preparation plant (first revision)	Nov 2010	
15	IS 3810(Part 1):2002	Solid mineral fuels - Vocabulary Part 1 - Terms relating to coal preparation (second revision)	Nov 2010	
16	IS 3810(Part 2):2003 / ISO 1213-2:1992	Solid Mineral Fuel - Vocabulary Part 2 Terms relating to Sample Testing and Analysis (first revision)	Nov 2010	
17	IS 3810(Part 3):1977	Glossary of terms relating to solid mineral fuels; Part III Coke	Nov 2010	
18	IS 4023:1991	Methods for the determination of reactivity of coke (first revision)	Mar 2013	
19	IS 4286:1976	Specification for domestic coke (first revision)	Nov 2010	
20	* IS 4311:1967	Method for determination of mineral matter in coal	Nov 2010	
21	* IS 4433:1979	Method for the determination of the hardgrove grind ability index of coal (first revision)	Nov 2010	
22	IS 5062(Part 1):1969	Methods of test for brown coals and lignites : Part 1 Determination of moisture content by the direct volumetric method	Nov 2010	
23	IS 5062(Part 2):1969	Methods of test for brown coals and lignites: Part II Determination of ash	Nov 2010	
24	IS 5062(Part 3):1969	Methods of test for brown coals and lignites: Part III Determination of the yields of tar, water, gas and coke by low temperature distillation	Nov 2010	
25	IS 5062(Part 4):2004 / ISO 975:2000	Methods of test for brown coals and lignites: Part 4 Determination of yield of benzene-soluble extract - Semi automatic method (first revision)	Nov 2010	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

26	IS 5062(Part 5):2004 / ISO 1017:1985	Methods of test for brown coals and lignites: Part 5 Determination of acetone-soluble material (resinous substances) in the toluene- soluble extract (first revision)	Nov 2010
27	IS 5209:2002 / ISO 924:1989	Coal preparation plant - Principles and conventions for flow sheets (first revision)	
28	IS 6345:1996	Methods of sampling of coal for float and sink analysis(first revision)	Mar 2013
29	IS 7190(Part 1):2004 / ISO 567:1995	Coke - Methods of test Part 1 - determination of bulk density in small container (first revision)	Nov 2010
30	IS 7190(Part 2):2004 / ISO 1013:1995	Coke - Methods of test Part 2 - Determination of bulk density in large container (first revision)	Nov 2010
31	IS 7929:1975	Methods of determination of electrical resistivity of chemical coke	Nov 2010
32	IS 9127(Part 1):1992   ISO 7404-1:1994	Methods for petrographic analysis of coal: Part I Definition of terms relating to petrographic analysis of coal (first revision)	Nov 2010
33	IS 9127(Part 2):2014 / ISO 7404-2:2009	Methods for petrographic analysis of coals: Part 2 Methods of preparing coal samples [Second Revision of IS 9127 (Part 2)]	
34	* IS 9127(Part 3):2002 / ISO 7404-3:1994	Methods for the petrographic analysis of bituminous coal and anthracite Part 3 - Method of determining maceral group composition (first revision)	Nov 2010
35	IS 9127(Part 4):2001 / ISO 7404-4:1988	Method for petrographic analysis of coal Part 4 Method of determining microlithotype, carbominerite and minerite composition	Mar 2013
36	* IS 9127(Part 5):2004 / ISO 7404-5:1994	Methods for the Petrographic analysis of coal and anthracite :Part 5 Method of determining microscopically the reflectance of vitrinite (first revision)	Nov 2010
37	* IS 9949:1986	Method of test for abrasive properties of coal and associated minerals (first revision)	Nov 2010
38	IS 12770:1989	Coal for cement manufacture - Specification	Nov 2010
39	IS 12891:1990	Method of determination of fusibility of ash of coal, coke and lignite	Nov 2010

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS



40	* IS 13810:1993	Code of practice for float and sink analysis of coal	Nov 2010
41	IS 15438:2004 / ISO 157:1996	Coal - Determination of Forms of Sulphur	Nov 2010
42	IS 15441:2004 / ISO 625:1996	Solid Mineral Fuels - Determination of Carbon and Hydrogen - Liebig Method	Nov 2010
43	IS 15807(Part 4):2008	Methods of petrographic analysis of lignite Part 1 Definition of terms relating to petrographic analysis of lignite	Apr 2014
44	IS 16143(Part 1):2014 / ISO 13909-1 : 2001	Hard coal and coke - Mechanical sampling : Part 1 General introduction	
45	IS 16143(Part 2):2014 / ISO 13909-2 : 2001	Hard coal and coke - Mechanical sampling : Part 2 Coal - Sampling from moving streams	
46	IS 16143(Part 3):2014 / ISO 13909-3 : 2001	Hard coal and coke - Mechanical sampling - Part 3 : Coal - Sampling from stationary lots	
47	IS 16143(Part 4):2014 / ISO 13909-4 : 2001	Hard coal and coke - Mechanical sampling : Part 4 Coal - Preparation of test samples	
48	IS 16143(Part 5):2014 / ISO 13909-5 : 2001	Hard coal and coke - Mechanical sampling - Part 5 : Coke - Sampling from moving streams	
49	IS 16143(Part 6):2014 / ISO 13909-6 : 2001	Hard coal and coke - Mechanical sampling - Part 6 : Coke - Preparation of test samples	
50	IS 16143(Part 7):2014 / ISO 13909-7 : 2001	Hard coal and coke - Mechanical sampling : Part 7 Methods for determining the precision of sampling, sample preparation and testing	
51	IS 16143(Part 8):2014 / ISO 13909-8 : 2001	Hard coal and coke - Mechanical sampling : Part 8 Methods of testing for bias	

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

1	DOC.PCD 7(2376) / ISO 602:1983	Coal - Determination of mineral matter
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**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 7(2585)	Determination of ten trace elements in coal, coke and fly ash by flame atomic absorption spectroscopic method
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\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

2	DOC.PCD 7(2733) / ISO 1017:2006	Methods of test for Brown Coals and Lignites - Determination of acetone insoluble material (resinous substance) in the benzene - Soluble extract [second revision of IS 5062(Part 5)]
3	DOC.PCD 7(2734) / ISO 647:1974	Methods of test for Brown Coals and Lignites- Determination of the yields of tar, water, gas and coke residue by low temperature distillation [first revision of IS 5062(Part 3)]
4	DOC.PCD 7(2735) / ISO 1928:2009	Methods of test for coal and coke: Part II Determination of gross calorific value by the borus calorimetric method and calculation of net calorific value
5	DOC.PCD 7(2770)	Methods of test for coal and coke: Part 5 Determination of special impurities (carbon present as carbonate, chlorine and phosphorus) [second revision of IS 1350 (Part 5)]
6	DOC.PCD 7(2771)	Graphical symbols for coal preparation plant (second revision of IS 3746)

**P-DRAFT UNDER PREPARATION**

1	DOC.PCD 7(2764)	Method of test for coal - Determination of total mercury content by Atomic Absorption Spectrometry (AAS)
2	DOC.PCD 7(2765)	Method of test for coal - Determination of arsenic and selenium - Eschkass Mixture and Hydride generating Atomic Absorption Method

**ASPECT WISE REPORT**

PRODUCT	4
METHODS OF TEST	29
CODE OF PRACTICES/GUIDES	1
TERMINOLOGY	2
SYMBOLS	1
OTHERS	14

**TOTAL : 51**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

**PCD 9 Organic Chemicals Sectional Committee, PCD 9**

**SCOPE** - To formulate Indian Standards for terminology; methods of sampling and test and specifications for organic chemicals, ion-exchange resin for general industrial use, alcohols and allied products

<b>Sl. No.</b>	<b>IS Number/ DOC Number</b>	<b>Title</b>	<b>Reaffirm Date</b>	<b>Amd.</b>
<b>STANDARDS PUBLISHED</b>				
1	IS 170:2004	Acetone (fourth revision)	Sep 2011	
2	IS 229:1993	Ethyl acetate (third revision)	Dec 2009	
3	IS 230:1972	Normal butyl acetate (second revision)	Sep 2011	1
4	IS 231:1957	Amyl acetate	Sep 2011	2
5	IS 245:1988	Trichloroethylene, technical (third revision)	Sep 2011	2
6	IS 321:1964	Absolute alcohol (revised)	Sep 2011	2
7	IS 323:2009	Rectified Spirit (second revision)		
8	IS 324:1959	Ordinary denatured spirit (revised)	Mar 2013	1
9	IS 336:1973	Ether(second revision)	Mar 2013	1
10	IS 360:1964	Amyl alcohol (revised)	Sep 2011	2
11	IS 361:2009	Normal butyl alcohol, technical (third revision)		
12	IS 501:1976	Oxalic acid, technical and analytical reagent (second revision)	Mar 2013	2
13	* IS 517:1986	Methanol (methyl alcohol) (second revision)	Mar 2013	1
14	IS 534:2007	Benzene (fourth revision)	Apr 2013	
15	IS 538:2000	Phenol (carbolic acid) (second revision)	Dec 2011	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

16	IS 539:1974	Naphthalene (second revision)	Dec 2011	1
17	IS 540:1968	Refined cresylic acid (first revision)	Dec 2011	
18	IS 695:1986	Acetic acid (third revision)	Mar 2013	
19	IS 717:1998	Carbon disulphide, technical (second revision)	Dec 2009	
20	IS 718:1977	Carbon tetrachloride (second revision)	Sep 2011	2
21	IS 869:1976	Ethylene dichloride (second revision)	Sep 2011	1
22	IS 880:1956	Tartaric acid	Sep 2011	2
23	IS 1049:1962	Alcohol, perfumery grade (revised)	Mar 2013	1
24	IS 1235:1988	Acetic anhydride (first revision)	Sep 2011	
25	IS 1781:1975	Urea, technical (first revision)	Sep 2011	1
26	IS 2252:2001	Diacetone alcohol (third revision)	Sep 2011	
27	IS 2302:1989	Tables for alcoholometry by hydrometer method (first revision)	Sep 2011	
28	IS 2631:1976	iso-Propyl alcohol (first revision)	Sep 2011	
29	IS 2632:1964	Crotonaldehyde	Sep 2011	1
30	IS 2979:1964	Fusel oil	Sep 2011	1
31	IS 3321:1973	Formaldehyde solution (first revision)	Sep 2011	2
32	IS 3506:1989	Tables for alcoholometry (by pycnometer method) (first revision)	Sep 2011	
33	IS 4105:1988	Styrene (Vinyl benzene) (first revision)	Dec 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

34	IS 4117:2008	Alcohol denaturants (second revision)		
35	IS 4306:1987	Hexamethylene tetramine (hexamine) (second revision)	Dec 2009	1
36	IS 4525:1994	4-Aminoacetanilide, technical - Specification	Mar 2013	
37	IS 4526:1976	2,5-Dichloroaniline (first revision)	Sep 2011	1
38	IS 4566:1979	Methylene chloride (dichloromethane), technical (first revision)	Sep 2011	2
39	IS 5045:1989	Metanilic acid, technical (second revision)	Sep 2011	
40	IS 5149:1977	Maleic anhydride, technical (first revision)	Sep 2011	1
41	IS 5158:1987	Phthalic anhydride, technical (second revision)	Sep 2011	1
42	IS 5254:1980	Acetanilide (first revision)	Dec 2009	
43	IS 5271:1984	Paraformaldehyde (first revision)	Sep 2011	
44	IS 5295:1985	Ethylene glycol (first revision)	Sep 2011	
45	IS 5296:1995	Chloroform, pure and technical (second revision)	Sep 2011	2
46	IS 5297:1977	Perchloroethylene (tetrachloroethylene), technical (first revision)	Sep 2011	3
47	IS 5341:1980	Benzyl chloride, technical (first revision)	Dec 2009	1
48	IS 5464:1995	Citric acid, monohydrate - Specification (first revision)	Sep 2011	
49	IS 5573:1984	Ethylene oxide (first revision)	Sep 2011	
50	IS 5591:2003	Chlorobenzene (first revision)	Dec 2009	
51	IS 5592:1981	Monochloroacetic acid (first revision)	Dec 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

52	IS 5860:1970	Table and inter-conversion charts for ethanol-water mixtures	Sep 2011	
53	IS 5992:1970	p-Dichlorobenzene, technical	Dec 2009	
54	IS 6393:1987	Alpha-Phenylacetamide (first revision)	Dec 2009	
55	IS 6412:1971	Benzoylchloride, technical	Sep 2011	
56	IS 6515:1999	Sodium pentachlorophenate, technical (first revision)	Dec 2009	
57	IS 6712:2003	o-Dichlorobenzene (first revision)	Mar 2013	
58	IS 6716:1981	Benzoic acid, technical (first revision)	Dec 2009	1
59	IS 6718:1972	phenoxyacetic acid	Dec 2009	
60	IS 6749:1972	Glossary of terms relating to alcohol (ethyl ) industry and trade	Sep 2011	
61	IS 6768:1973	m-Aminophenol	Mar 2013	
62	IS 6775:1973	Ethyl chloride, technical	Dec 2009	
63	IS 6971:1998	2 - ethyl hexane - 1 - ol (first revision)	Dec 2009	
64	IS 6972:1973	Benzotrichloride, technical	Dec 2009	
65	IS 7134:1973	Diphenyl	Sep 2011	1
66	IS 7135:1987	Dimethyl sulphate, technical (first revision)	Dec 2009	
67	IS 7220:1974	Ethylenediaminetetra-acetic-acid, pure and technical	Sep 2011	1
68	IS 7330:1988	Methods of sampling and test for ion-exchange resins (first revision)	Dec 2009	1
69	IS 7559:1992	Salicylic acid, technical (first revision)	Dec 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

70	IS 7618:1974	Hexachloroethane	Dec 2009	
71	IS 7619:1987	Pentaerythritol (first revision)	Dec 2009	
72	IS 7642:1975	4-Aminophenol	Sep 2011	1
73	IS 7729:1975	Sodium monochloroacetate	Sep 2011	
74	IS 7901:1975	Triethanolamine, technical	Sep 2011	
75	IS 7910:2003	Monoethanolamine (first revision)	Mar 2013	
76	IS 7911:2000	Diethanolamine (first revision)	Sep 2011	
77	IS 7918:2001	Diethylene glycol (first revision)	Sep 2011	
78	* IS 8050:1976	Alpha picoline	Sep 2011	1
79	* IS 8058:1976	Pyridine	Sep 2011	1
80	IS 8278:1976	Diphenylamine, technical	Sep 2011	
81	IS 8796:1977	Trimethylamine, technical	Sep 2011	
82	IS 8873:1977	Monomethylamine, technical	Sep 2011	
83	IS 8874:1977	Dimethylamine, technical	Sep 2011	
84	IS 9207:1979	Di-tert-butyl-paracresol, technical	Sep 2011	1
85	IS 9250:1979	p-nitrophenol	Sep 2011	
86	IS 9834:1981	iso-Butyl alcohol	Mar 2013	
87	IS 9850:2001	Methyl iso-Butyl ketone (first revision)	Sep 2011	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

88	IS 9851:1981	iso-Propyl ether	Mar 2013	
89	IS 9908:1981	Formic acid	Sep 2011	2
90	IS 9986:1999	Benzaldehyde, technical(first revision)	Dec 2009	
91	IS 10744:1983	Resorcinol	Sep 2011	
92	IS 10745:1983	Acetophenone	Sep 2011	1
93	IS 12277:1988	Polyethylene glycol 400	Dec 2009	
94	IS 12345:1988	Vinyl acetate monomer	Mar 2013	
95	IS 12438:1988	Dimethyl terephthalate	Dec 2009	1
96	IS 12540:1988	Acrylonitrile, technical	Dec 2009	
97	IS 13322:1992	Furfural, technical	Dec 2009	
98	IS 13359:1992	Polyethylene glycol 200	Dec 2009	
99	IS 13475:1992	Sodium Formate	Dec 2009	
100	IS 14310:1995	Glyoxal (40 percent solution) - Specification	Sep 2011	
101	IS 14375:1996	Cyclohexanone	Sep 2011	
102	IS 14502:1998	n-Dibutyl ether	Dec 2009	
103	IS 14707:1999	Methyl acrylate - Specification	Dec 2009	
104	IS 14708:1999	Ethyl acrylate - Specification	Dec 2009	
105	IS 14709:1999	n-Butyl acrylate - Specification	Dec 2009	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**



106	IS 14710:1999	m-Cresol	Dec 2011	
107	IS 15030:2001	Terephthalic acid - Specification	Sep 2011	
108	IS 15365:2003	Acetaldehyde	Mar 2013	
109	IS 15464:2004	Anhydrous ethanol for use as automotive fuel	Dec 2009	1
110	IS 15773:2008	Sodium Di-Chloro iso-Cyanurate - Specification		
111	IS 16112:2013	Beta picoline - Specification		
112	IS 16113:2013	Gamma picoline - Specification		
113	IS 16114:2000	3-Cyano pyridine - Specification		

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

1	DOC.PCD 9(2680)	Acetoacetic Methyl Ester - Specification (second revision of IS 8877)		
2	DOC.PCD 9(2660)	Amendment No. 1 to IS 15773:2008 Sodium Di-Chloro iso-Cyanurate - Specification		
3	DOC.PCD 9(2681)	Acetoacet-2-anisidide (First Revision of IS 13590)		
4	DOC.PCD 9(2682)	Acetoacet-3-anisidide Xylide - Specification (first revision of IS 13843)		

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

1	DOC.PCD 9(2677)	Alpha Picoline - Specification (first revision of IS 8050)		
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#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 9(2674)	Pyridine - Specification (fourth revision of IS 8058)		
2	DOC.PCD 9(2570)	Amendment No. 1 to IS 229:1993 Ethyl Acetate - Specification (third revision)		

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

**ASPECT WISE REPORT**

PRODUCT	106
METHODS OF TEST	4
TERMINOLOGY	1
OTHERS	2

**TOTAL : 113**

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS       | INDICATES EQUIVALENT STANDARDS**

## PCD 12 Plastics Sectional Committee

**SCOPE** - To formulate Indian Standards for specifications for thermosetting and thermoplastic resins-bonded and moulding materials; natural and synthetic polymers, synthetic resin bonded laminates thermoplastic films and sheets, plasticizers cellular plastics, finished plastic articles, composites and reinforced plastics (excluding sanitary wares and plastic pipes for water supply and plastic packaging containers) safety of toys, and natural and synthetic adhesives (excluding for plywood industry and electrical tapes)

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	* IS 1300:1994   ISO 800:1992	Phenolic moulding materials - (Third Revision)	Apr 2010	
2	IS 1461:1984	Plastic buttons (thermosetting) (second revision)	Aug 2013	1
3	IS 1843:1963	Nylon monofilaments	Aug 2013	
4	IS 2036:1995	Phenolic laminated sheets (second revision)	Apr 2010	1
5	* IS 2046:1995   ISO 4586-1:1987	Decorative thermosetting synthetic resin bonded laminated sheets (second revision)	Apr 2010	1
6	IS 2076:1981	Unsupported flexible polyvinyl chloride sheeting (first revision)	Aug 2013	1
7	IS 2249:1984	Adhesives (Liquid) for leather-beltings (first revision)	Sep 2008	
8	IS 2257:1989	Paper adhesives, liquid gum and office paste type (third revision)	Apr 2010	2
9	IS 2267:1995   ISO 1622-1:1994	Polystyrene moulding and extrusion materials (second revision)	Apr 2010	
10	* IS 2508:1984	Low density polyethylene films (second revision)	Aug 2013	3
11	IS 2543:1995	Cellulose secondary acetate materials for moulding and extrusion (first revision)	Apr 2010	
12	IS 2560:1979	Rubber-based adhesives for tubes, non curing (first revision)	Aug 2013	
13	IS 2561:1963	Rubber based adhesives for the automobile industry	Aug 2013	1

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

14	IS 2562:1979	Rubber based adhesives for tyres and tubes, curing (first revision)	Apr 2010	
15	IS 2886:1991	Labeling paste for paper labels (first revision)	Aug 2013	
16	IS 3389:1994   ISO 2112:1990	Urea-formaldehyde moulding materials (first revision)	Apr 2010	1
17	IS 3395:1997   ISO 1872-1:1993	Low density polyethylene (LDPE) and linear low density polyethylene (LLDPE) materials for moulding and extrusion - Specification (second revision)	Apr 2010	
18	IS 3447:1993	Shellac jointing compound (first revision)	Apr 2010	1
19	IS 3669:1994   ISO 2112:1990	Melamine-formaldehyde moulding materials (first revision)	Apr 2010	
20	IS 3687:1987	Pressure sensitive adhesive cloth tapes (second revision)	Aug 2013	
21	IS 3693:1966	Plastic spectacle frames	Apr 2010	
22	IS 3730:1988	High density polyethylene bucket (first revision)	Apr 2010	
23	IS 3988:1981	Guar gum (first revision)	Jun 2011	1
24	IS 4185:1989	Adhesive paper tapes (first revision)	Apr 2010	
25	IS 4663:1968	Permanent rubber based adhesives for footwear industry	Aug 2013	3
26	IS 4761:1968	Unsupported PVC rainwear	Aug 2013	2
27	IS 5210:1995	High impact polystyrene sheet (first revision)	Apr 2010	1
28	IS 5322:1988	High density polyethylene wash-bowls (first revision)	Apr 2010	
29	IS 5378:1994	Polyethylene cane (first revision)	Apr 2010	
30	IS 6307:1985	Rigid PVC sheets (first revision)	Aug 2013	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

31	IS 6367:1971	Dextrin for adhesive industry	Aug 2013	
32	IS 6746:1994	Unsaturated polyester resin systems (first revision)	Apr 2010	
33	IS 7166:1985	Cellulose secondary acetate flakes (first revision)	Aug 2013	
34	** IS 7328:1992   ISO 1872-1:1993	High density polyethylene materials for moulding and extrusion (first revision)	Aug 2013	2
35	IS 7393:1974	Adhesive, bitumen emulsion	Apr 2010	
36	IS 7395:1989	Gum ghatti (first revision)	Jun 2011	
37	IS 8694:1978	Latex bladders, seamless, valve type	Sep 2012	
38	** IS 9220:1979	Tableware made of melamine plastics	Aug 2013	
39	IS 9766:1992	Flexible PVC compounds (first revision)	Aug 2013	
40	IS 9827:1981	Shoe adhesive, Natural rubber latex base	Aug 2013	
41	* IS 9833:1981	List of pigments and colourants for use in plastics in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	1
42	IS 9843:1991	Code of practice for use of adhesives for packaging (first revision)	Aug 2013	
43	IS 9848:1987	Briefcases, plastic body	Aug 2013	
44	* IS 9873(Part 1):2012 / ISO 8124-1:2009	Safety requirements for toys: Part 1 Safety aspects related to mechanical and physical properties (first revision)		
45	* IS 9873(Part 2):2012 / 8124-2:2007	Safety requirements for toys: Part 2 Flammability requirements (first revision)		
46	* IS 9873(Part 3):1999 / ISO 8124-3:1997	Safety requirements for toys: Part 3 Migration of certain elements (first revision)	Jun 2011	3

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

47	* IS 10141:2001	Positive list of constituents of polyethylene in contact with foodstuffs, Pharmaceuticals and drinking water (first revision)	Jun 2011	
48	IS 10142:1999	Polystyrene (crystae and high impact) for its safe use in contact with foodstuffs, pharmaceuticals and drinking water (first revision)	Aug 2013	
49	IS 10146:1982	Polyethylene for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	1
50	* IS 10148:1982	Positive list of constituents of polyvinyl chloride and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
51	IS 10149:1982	Positive list of constituent of polystyrene (crystae and high impact) in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	1
52	* IS 10151:1982	Polyvinyl chloride (PVC) and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	4
53	IS 10171:1999	Guide on suitability of plastics for food packaging (second revision)	Apr 2010	
54	IS 10734:1983	Case, Vanity, moulded body	Aug 2013	
55	IS 10815:1984	Code of practice for the application of adhesives in footwear industry	Aug 2013	
56	IS 10889:2004	High density polyethylene films (first revision)	Jun 2011	
57	* IS 10909:2001	Positive list of constituents of polypropylene and its copolymers in contact with foodstuffs, pharmaceuticals and drinking water (first revision)	Jun 2011	
58	IS 10910:1984	Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
59	IS 10951:2002	Polypropylene materials for moulding and extrusion (first revision)	Jun 2011	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

60	* IS 11273:1992	Woven roving fabrics of 'E' glass fibre (first revision)	Aug 2013	
61	* IS 11320:1997	Glass fibre rovings for the reinforcement of polyester and of epoxide resin systems (First Revision)	Apr 2010	1
62	IS 11434:1985	Ionomer resins for its safe use in contact with foodstuffs, pharmaceutical and drinking water	Aug 2013	
63	IS 11435:1985	Positive list of constituents of ionomer resins for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
64	* IS 11551:1996	Glass fibre chopped strand mat for the reinforcement of epoxy, phenolic and polyester resin systems (First Revision)	Jun 2011	1
65	IS 11704:1986	Ethylene acrylic acid (EAA) copolymers for their safe use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
66	IS 11705:1986	Positive list of constituents of ethylene/acrylic acid (KAA) copolymers for their use in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
67	IS 11988:1986	Hot seal patches	Sep 2012	
68	IS 12087:1987	Suitcase for air and submarine crew	Sep 2012	
69	IS 12210:1987	Specification for Caprolactam	Jun 2011	4
70	IS 12229:1987	Positive list of constituents of polyalkylene terephthalates (PET & PBT) for their safe use in contact with foodstuffs, pharmaceuticals and drinking water	Apr 2010	1
71	IS 12247:1988	Nylon-6 polymer for its safe use in contact with foodstuffs pharmaceuticals and drinking water	Apr 2010	1
72	IS 12248:1988	Positive list of constituents of nylon-6 polymer for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Apr 2010	1

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

73	IS 12252:1987	Polyalkylene terephthalates (PET & PBT) for their safe use in contact with foodstuffs, pharmaceuticals and drinking water	Apr 2010	
74	IS 12830:1989	Rubber based adhesives for fixing PVC tiles to cement	Apr 2010	
75	IS 12994:1990	Epoxy adhesives, room temperature curing, General purpose	Apr 2010	
76	IS 13193:1992	Polyalkylene terephthalate (PET and PBT) for moulding and extrusion	Aug 2013	2
77	IS 13199:1991	Adhesives-Guidelines for surface preparation for adhesive bonding	Aug 2013	
78	IS 13254:1992	Animal glue for match industry	Aug 2013	
79	IS 13255:1992	Adhesive-Liquid-For use on high speed flap gumming and embossed envelope machines	Aug 2013	
80	IS 13262:1992	Pressure sensitive adhesive tapes with plastic base	Aug 2013	1
81	IS 13410:1992	Glass reinforced polyester sheet moulding compounds (SMC)	Aug 2013	
82	IS 13411:1992	Glass reinforced polyester dough moulding compounds	Aug 2013	
83	IS 13449:1992	Positive list of constituents of ethylene vinyl acetate (EVA) copolymers in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
84	IS 13463:1992	Polyamide (nylon 6) material for moulding and extrusion	Aug 2013	1
85	IS 13464:1992	Polyamide (nylon 66) materials for moulding and extrusion	Aug 2013	1
86	IS 13576:1992	Ethylene methacrylic acid (EMAA) copolymers and terpolymers for their safe use contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	
87	IS 13577:1992	Positive list of constituents of ethylene methacrylic acid (EMAA) copolymers and terpolymers in contact with foodstuffs, pharmaceuticals and drinking water	Aug 2013	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS



88	IS 13601:1993	Ethylene vinyl acetate (EVA) copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Apr 2010	
89	IS 13653:1992	Anaerobic jointing compounds for use in liquid petroleum gas appliances and installations	Aug 2013	1
90	IS 13959:1994	Polypropylene sutly	Apr 2010	
91	IS 13960:1994	Thermoplastic strappings	Apr 2010	
92	IS 14182:1994	Solvent cement for use with unplasticized polyvinylchloride plastic pipe and fittings	Apr 2010	2
93	IS 14421:1997	Plasticizer esters (superseding IS 3371:1980, IS 3672:1980, IS 6627:1980 and IS9572:1980)	Aug 2013	1
94	IS 14425:1997	Guide for manufacture of glass reinforced polyester resin mouldings	Aug 2013	
95	IS 14426:1997	Chlorinated paraffins (CP)	Aug 2013	
96	IS 14434:1998	Polycarbonate moulding and extrusion materials	Apr 2010	
97	IS 14443:1997	Polycarbonate sheets	Aug 2013	
98	IS 14500:1998	Linear low-density polyethylene (LLDPE) films	Apr 2010	
99	* IS 14534:1998	Guidelines for recycling of plastics	Apr 2010	
100	IS 14535:1998	Recycled plastics for the manufacturing of products - Designation	Apr 2010	1
101	* IS 14611:1998	Multilayered cross laminated sheets and tarpaulins/covers - Specification	Aug 2013	
102	IS 14635:1999	Polytetrafluoroethylene (PTFE) materials for moulding and extrusion	Apr 2010	
103	IS 14643:1999	Unsintered polytetra fluoroethylene (PTFE) tape for thread sealing applications	Apr 2010	
104	IS 14752:2000	Melamine formaldehyde resin for wet strength of paper - Specification	Apr 2010	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

105	IS 14753:1999	Poly (methyl) methacrylate (PMMA) (acrylic) Sheets	Apr 2010
106	IS 14971:2001	Polycarbonate resins for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
107	IS 14972:2001	Positive list of constituents of polycarbonate resins in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
108	IS 14995:2001	Stretch Cling films	Jun 2011
109	IS 14996:2001	Positive list of constituents of modified poly(phenylene oxide) (PPO) in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
110	IS 14997:2001	Modified poly (Phenylene oxide) (PPO) for their safe use in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
111	IS 14998:2001	Positive list of constituents of melamine-formaldehyde resins in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
112	IS 14999:2001	Melamine-formaldehyde moulding materials for its safe use in contact with foodstuffs, pharmaceuticals and drinking water	Jun 2011
113	IS 15225:2002	Chlorinated polyvinyl chloride compounds used for pipes and fittings - Specification	Aug 2013
114	IS 15226:2002	Rigid Polyvinyl Chloride (PVC) compounds - Specifications	Aug 2013
115	IS 15477:2004	Adhesives for use with ceramic tiles and mosaics	Apr 2010
116	IS 15559:2004	Polyester strapping - Specification	Apr 2010
117	IS 15621:2005	Tetrabromobisphenol - A - Specification	Apr 2010
118	IS 15623:2005	Melamine (2,4,6 Triamino 1,3,5 Triazine) - Specification	Apr 2010
119	IS 16514:2000	Water soluble films - Specification	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

120 \* IS 17088:2008  
/ ISO 17088 :2008

Specifications for compostable plastics

Jun 2011

**FINALISED DRAFTS UNDER PRINT**

- |    |                                       |   |
|----|---------------------------------------|---|
| 1  | DOC.PCD 12(2477)                      | Draft Amendment No. 2 to IS 3988:1981<br>Specification for Guar Gum   |
| 2  | DOC.PCD 12(2576)                      | Plastics - Guidelines for the recovery and<br>recycling of plastics waste (first revision of IS<br>14534)   |
| 3  | DOC.PCD 12(2586)<br>/ ISO 2580-1:2002 | Plastics - Acrylonitrile-Butadiene-Styrene<br>(ABS) Moulding and Extrusion Materials Part 1<br>Designation System and Basis for<br>specification                |
| 4  | DOC.PCD 12(2587)<br>/ ISO 2580-2:2003 | Plastics - Acrylonitrile-Butadiene-Styrene<br>(ABS) Moulding and Extrusion Materials Part 2<br>Preparation of test specimens and<br>determination of properties |
| 5  | DOC.PCD 12(2588)<br>/ ISO 4586-1:2004 | High pressure decorative laminates- sheet<br>made from thermosetting resin [P:1]<br>classification and specifications [third revision<br>of IS 2046]            |
| 6  | DOC.PCD 12(2589)<br>/ ISO 4586-2:2004 | High pressure decorative laminates- sheet<br>made from thermosetting resin [P:1]<br>classification and specifications [third revision<br>of IS 2046]            |
| 7  | DOC.PCD 12(2590)<br>/ ISO 17555:2003  | Plastics - Film and sheeting - Biaxially oriented<br>polypropylene (PP) Films   |
| 8  | DOC.PCD 12(2591)<br>/ ISO 17557:2003  | Plastics - Film and sheeting cast polypropylene<br>(PP) films   |
| 9  | DOC.PCD 12(2592)                      | List of pigments and colorants for use in<br>plastics in contact with foodstuffs,<br>pharmaceuticals and drinking water (first<br>revision of IS 9833:1981)     |
| 11 | DOC.PCD 12(2606)                      | Amendment No. 4 to IS 12210:1987<br>Specification for caprolactam   |

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

11 DOC.PCD 12(2679) Compostable plastics (first revision of IS/ISO 17088)

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

1 DOC.PCD 12(2683) Draft revision of IS 10151 Polyvinyl chloride (PVC) and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water

2 DOC.PCD 12(2704) Draft revision of IS 10148 - Positive list of constituents of polyvinyl chloride and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water

3 DOC.PCD 12(2731) Polyethylene films and sheetings (third revision of IS 2508)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1 DOC.PCD 12(2697) Positive list of constituents of compostable polymers and their blends for their use in contact with foodstuffs, pharmaceuticals and drinking water

2 DOC.PCD 12(2780) Composites and other materials for potable FRP Ladders

3 DOC.PCD 12(2781) Standard for potable FRP step ladders

4 DOC.PCD 12(2782) Standard for labeling / marking requirements of portable FRP Ladders - Safety requirements

5 DOC.PCD 12(2786) Solvent cement for cPVC piping and fittings

6 DOC.PCD 12(2787) Portable FRP single and extrusion ladders

**ASPECT WISE REPORT**

PRODUCT	93
CODE OF PRACTICES/GUIDES	6
OTHERS	21

**TOTAL : 120**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

### PCD 13 Rubber and Rubber Products Sectional Committee

**SCOPE** - To formulate Indian Standards for terminology, codes of practice, environmental aspects, specification for natural rubber, synthetic rubber, reclaimed rubber; vulcanized rubber and rubber products (excluding rubber conveyors and transmission belting, rubber cables and rubber products used for automobile industry), hoses, elastomeric isolators, raw materials for rubber and rubber industry, flexible and semi-rigid cellular materials whether made of rubber or TPR and coated fabrics

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	** IS 444:1987	General purpose rubber water hose (fourth revision) (Superseding IS 445:1964 and IS 913:1968)	Jun 2013	1
2	** IS 446:1987	Rubber air hose (fourth revision) (Superseding IS:911:1986 and IS 3557:1965)	Jun 2013	1
3	IS 447:1988	Specification for rubber hose for welding (fourth revision) (Superseding IS:3572-1968)	Jun 2013	1
4	IS 635:1982	Oil and solvent resistant hose of rubber (third revision) (superseding IS 3418:1968)	Apr 2012	1
5	* IS 636:1988	Non-percolating flexible fire fighting delivery hose (third revision)	Jun 2013	
6	IS 637:1994	Rubber tubings for general purposes - Specification (Second revision)	Jun 2013	
7	IS 638:1979	Sheet rubber jointing and rubber insertion jointing (second revision)	Jun 2013	
8	IS 917:1976	Activated calcium carbonate for rubber industry (first revision)	Apr 2012	1
9	IS 1001:1991	Synthetic rubber proofed/coated fuel pump diaphragm fabric - Specification (first revision)	Apr 2012	
10	** IS 1259:1984	Vinyl coated fabrics (third revision)	Apr 2012	3
11	IS 1677:2005 / ISO 1401:1999	Rubber hoses for agricultural spraying (second revision)	Feb 2011	
12	IS 1683:1994	Barytes for rubber industry (second revision)	Jun 2013	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

13	IS 1684:1994	Red oxide of iron for rubber industry - Specification (Second Revision)(Superseding IS 8219:1976)	Jun 2013	
14	IS 1685:1975	Whiting for rubber industry (first revision)	Jun 2013	
15	** IS 1741:1960	Latex foam rubber products	Jun 2013	5
16	IS 1867:1975	Rubber hot water bottles (first revision)	Apr 2012	2
17	IS 2037:1986	Specification for tracing cloth (first revision)	Apr 2012	1
18	IS 2089:1977	Common proofed canvas/duck and paulins (tarpaulins) (second revision)	Apr 2012	2
19	IS 2244:1972	Glossary of terms relating to treated fabrics (first revision)	Apr 2012	1
20	** IS 2396:1988	Specification for rubber hose for fuel dispensing (third revision)	Jun 2013	1
21	IS 2482:1990	Light duty water suction hose of rubber (second revision)	Apr 2012	
22	IS 2789:1972	Special proofed paulins (tarpaulins) (first revision)	Apr 2012	2
23	IS 3322(Part 1):1987	Water-resistant clothing Part 1 PVC-coated fabrics (first revision)	Apr 2012	
24	IS 3399:1993	Zinc oxide for rubber industry (second revision)	Jun 2013	
25	** IS 3549:1983	Specification for water suction and discharge hose of rubber, heavy duty (first revision) (Covers requirements of IS 2410:1963 also)	Apr 2012	
26	** IS 3565:1966	Rubber teats for feeding bottles	Apr 2012	1
27	IS 3692:1975	Rubber closures, pharmaceutical (first revision)	Apr 2012	
28	IS 3768:1996	Ventilation ducting - Vinyl coated, flexible and semi-rigid (second revision)	Apr 2012	
29	IS 3867:1966	Rubber ice bags	Apr 2012	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

30	IS 4135:1974	Hospital rubber sheetings (first revision)	Apr 2012	1
31	IS 4149:1967	Post-mortem rubber gloves	Apr 2012	
32	IS 4355:1977	Fire resistant brattice cloth (first revision)	Apr 2012	1
33	IS 4501:1981	Aprons, rubberized, acid & alkali resistant (first revision)	Apr 2012	1
34	IS 4588:1986	Specification for rubber, raw, natural (third revision)	Jun 2013	2
35	IS 4770:1991	Rubber gloves for electrical purposes (first revision)	Apr 2012	1
36	IS 4810:1968	Fumigation sheets and covers, rubberized	Apr 2012	3
37	IS 5137:1990	Rubber hose for cement grouting (second revision) (Superseding IS 5166:1969)	Apr 2012	
38	IS 5189:1985	Specification for cold polymerized raw styrene-butadiene rubber (first revision)	May 2009	1
39	IS 5190:1993	Code for packaging of natural rubber latex in drums(first revision)	Jun 2013	1
40	IS 5192(Part 1):1994	Natural rubber compounds - Specification : Part 1 for moulded products (second revision)	Jun 2013	
41	IS 5192(Part 2):1994	Natural rubber compounds - Specification : Part 2 for extruded products (second revision)	Jun 2013	
42	IS 5193:1998	Rubber sealing rings for domestic fruit and vegetable preserving jars - Specification (first revision)	Jun 2013	
43	IS 5270:1969	Specification for rubber grommets for general purposes	Jun 2013	1
44	IS 5382:1985	Specification for rubber sealing rings for gas mains, water mains and sewers (first revision)	Jun 2013	3
45	** IS 5430:1981	Ammonia preserved concentrated natural rubber latex (first revision)	Apr 2012	2

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

46	IS 5598:1986	Code of practice for bale coating, packing and marking of natural rubber (first revision)	Jun 2013	
47	** IS 5797:1994	Rubber hose for aircraft refuelling and defuelling - Specification (Third Revision)	Jun 2013	
48	IS 5821:1986	Hot-water hose of rubber (second revision) (Superseding IS 5937:1970)	Apr 2012	
49	IS 5894:2005 / ISO 3861:1995	Rubber hose for sand blasting (second revision) (Superseding IS:6417-1971)	Apr 2012	1
50	IS 5915:1970	Single texture rubberized water proof fabrics	Apr 2012	2
51	IS 6058:1970	Rubber components for transfusion fluid bottles	Apr 2012	1
52	IS 6110:1983	Double-texture rubberized waterproof fabrics (first revision)	Apr 2012	3
53	IS 6450:1971	Rubbers for the dairy industry	Apr 2012	1
54	IS 6611:1988	Symbols for rubbers and lattices (first revision)	May 2009	
55	IS 6693:1972	Ebonite	Apr 2012	1
56	** IS 6713:1996	Code of practice for packaging and storage of vulcanized rubber (first revision)	Apr 2012	
57	IS 6803:1972	Special proofed canvas and duck	Apr 2012	
58	IS 6918:2002	Mercaptobenzothiazole - Specification (first revision)	Feb 2011	
59	IS 7069:2001	Benzothiazyl-2-cyclohexyl sulphenamide (CBS) (second revision)	Apr 2012	
60	IS 7351:1985	Specification for styrenated phenol (first revision)	Apr 2012	1
61	IS 7466:1994	Rubber gaskets for pressure cookers - Specification (First Revision)	Jun 2013	1
62	IS 7490:1997	Reclaimed rubber - Specification (first revision)	Jun 2013	
63	IS 7497:1985	High abrasion furnace (HAF) carbon black (first revision)	Apr 2012	2

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS



64	IS 7499:2001 / ISO 1658:1994	Natural rubber (NR) - Evaluation procedure (second revision)	Apr 2012	
65	** IS 7503(Part 1):1988	Glossary of terms used in rubber industry: Part 1 Definitions of Basic Terms (first revision)	May 2009	
66	** IS 7503(Part 2):1988	Glossary of terms used in rubber industry: Part 2 Definitions of Additives (first revision)	May 2009	
67	** IS 7503(Part 3):1988	Glossary of terms used in rubber industry: Part 3 Definitions relating to properties & testing (first revision)	May 2009	
68	** IS 7503(Part 4):1988	Glossary of terms used in rubber industry: Part 4 Definitions relating to processing (first revision)	May 2009	
69	** IS 7503(Part 5):1988	Glossary of terms used in rubber industry: Part 5 Definitions relating to products - Hoses (first revision)	May 2009	
70	** IS 7503(Part 6):1986	Glossary of terms used in rubber industry: Part 6 Definitions relating to cellular materials	May 2009	
71	IS 7651:1997	Wire reinforced, rubber covered hydraulic hose (second revision)	Jun 2013	
72	IS 7654:1987	Rubber hose for chemicals (first revision)	Jun 2013	
73	IS 7933:1975	Flexible polyurethane foam for domestic mattresses	Jun 2013	
74	IS 8134:1996	Intermediate super abrasion furnace (ISAF) carbon black - Specification (second revision)	Apr 2012	1
75	IS 8135:1996	Fast extrusion furnace (FEF) carbon black - Specification (second revision)	Apr 2012	1
76	IS 8164:1976	Hospital rubber sheeting without reinforcing fabric	Jun 2013	3
77	IS 8189:1996	Rubber hose for on-shore oil suction and discharge services - Specification (first revision)	Apr 2012	
78	IS 8255:1976	Flexible load bearing polyurethane foam components for vehicles	Jun 2013	
79	IS 8483:1989	Dibenzothiazyl disulphide (first revision)	Apr 2012	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

80	** IS 8698:1984	Expanded vinyl coated fabrics (first revision)	Apr 2012	1
81	IS 8699:1977	PVC coated fabrics for footwear industry	Apr 2012	
82	IS 8851:1994	Sulphur for rubber industry - Specification (first revision)	Jun 2013	
83	IS 8862:1978	Titanium dioxide (anatase type) for rubber industry	Jun 2013	
84	IS 8891:1978	Pine tar for rubber industry	Apr 2012	
85	IS 8979:1997	Tetramethyl thiuram disulphide (second revision)	Jun 2013	
86	IS 9406:1980	Calcium silicate for rubber industry	Apr 2012	
87	IS 9407:1980	Light magnesium oxide for rubber industry	Apr 2012	1
88	IS 9481:1980	Specification for pillow, air	Jun 2013	
89	IS 9491:1980	Specification for mattress, air	Jun 2013	
90	IS 9573:2010	Rubber hose for liquefied petroleum gas (LPG) - Specification (third revision)		
91	IS 10130:1992	Vulcanized vegetable oils (Factice) for rubber industry (first revision)	Jun 2013	
92	IS 10228:1982	Specification for school bag	Jun 2013	1
93	IS 10357:1990	General purpose furnace [GPF (N-660)] carbon black (first revision)	Apr 2012	1
94	IS 10358:1991	Super abrasion furnace (SAF) carbon black (first revision)	Apr 2012	1
95	IS 10387:1990	Semi-reinforcing furnace [SRF-LM-NS(N-762) and SRF-HM-NS(N-774)] carbon black (first revision)	Apr 2012	1
96	IS 10655:1999	Rubber steam hose - Specification (first revision)	Jun 2013	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

97	IS 10660:1983	Rubber hydraulic hose with textile reinforcement	Jun 2013	
98	IS 10733:1983	Electrically bonded road and rail tanker hose of rubber, resistant to petroleum products	Apr 2012	
99	IS 10908:1991	Flexible rubber tubing for liquefied petroleum gas (first revision)	Jun 2013	1
100	IS 11001:1984	Double centrifuged natural rubber latex	May 2009	1
101	IS 11355:1985	Phenyl- naphthylamine	Apr 2012	
102	IS 11356:1985	Styrene-butadiene rubber latex	May 2009	
103	IS 11659:1986	Rubber hose for transferring anhydrous ammonia	Apr 2012	
104	IS 11884:1986	Fire resistant brattice sheeting made from unsupported plastics	Apr 2012	
105	IS 12076:1986	Precipitated silica for rubber industry	Apr 2012	3
106	IS 12492:1988	Thermoplastics hoses (textile reinforced) for compressed air	Jun 2013	
107	IS 12585:1988	Thermoplastic hoses (textile reinforced) for water-General purpose	Jun 2013	1
108	IS 12649:1989	Guide for selection of treated/coated fabrics for various applications	Apr 2012	
109	IS 12844:1989	Vinyl pyridine latex	May 2009	
110	IS 13071:1991	Rubber hose, wire reinforced for sand and gravel suction and discharge services- Specification	Apr 2012	
111	IS 13101:1991	Natural rubber latex, creamed, ammonia preserved - Specification	Jun 2013	1
112	IS 13978:1994	Zinc Diethyl dithiocarbamate (ZDEC) - Specification	Jun 2013	
113	IS 13981:1994	Benzothizyl-N-Morpholinyl sulphenamide(MBS) - Specification	Jun 2013	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

114	IS 14127:1995	Insoluble (Amorphous) sulphur for rubber industry - Specification	Apr 2012
115	IS 14128:1994	N-(1,3-Dimethylbutyl)-N--Phenyl paraphenylenediamine (6 PPD) - Specification	Jun 2013
116	IS 14424:1997	Rubber threads - Specification	Feb 2011
117	IS 14597:1998	Synthetic tarpaulins (Heavy duty protective covers) made from coated nylon or polyester fabrics - Specification	Jun 2013
118	IS 14788:2000 / ISO 2322:1996	Styrene butadiene rubber (SBR) : Emulsion and solution polymerized types - Evaluation procedure	May 2009
119	IS 14794:2000 / ISO 2302:1995	Isobutylene-isoprene rubber (IIR) - Evaluation procedure	May 2009
120	IS 14923:2001	Polymerised 1,2,dihydro 2,2,4-trimethyle quinoline (TMQ)	Apr 2012
121	IS 15076:2002 / ISO 2475:1999	Choroprene rubber (CR) - General purpose types - Evaluation procedure	Feb 2011
122	IS 15078:2001	Petroleum based processed oil for rubber industry.	Apr 2012
123	IS 15355:2003 / ISO 8789:1994	Rubber hose and hose assemblies for liquefied petroleum gas in motor vehicles	May 2009
124	IS 15361:2003	Raw natural rubber - Ribbed smoked sheet (RSS)	May 2009
125	IS 15933:2010 / ISO 1307:2006	Rubber and plastic hoses for general purpose industrial applications - Bore diameters and tolerances and tolerances on length	
126	IS 16204:2014 / ISO 8330:2007	Rubber and Plastics Hoses and Hose Assemblies - Vocabulary	
127	IS 16210:2014 / ISO 8331:2007	Rubber and Plastics Hoses and Hose Assemblies - Guidelines for selection storage, use and maintenance	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

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

1	DOC.PCD 13(2616) / ISO 48:2010	Methods of test for vulcanized rubber: Part 2 Rubber, vulcanized or thermoplastic —Determination of hardness (hardness between 10 IRHD and 100 IRHD) [Fourth revision of IS 3400 (part 2)]
2	DOC.PCD 13(2617) / ISO 1403:2005	Specification for General purpose rubber water hose (Fifth Revision of IS 444)
3	DOC.PCD 13(2618) / ISO 2398:2006	Specification for Rubber air hose (fifth Revision of IS 446)
4	DOC.PCD 13(2619) / ISO 5772:1998	Specification for rubber hose for fuel dispensing (Fourth Revision of IS 2396)
5	DOC.PCD 13(2620) / ISO 4641:2010	Specification for Water suction and discharge hose of rubber, heavy duty (Second Revision of IS 3549)
6	DOC.PCD 13(2623)	Natural rubber pale latex - Specification
7	DOC.PCD 13(2628) / ISO 8330 : 2007	Rubber and plastics hoses and hose assemblies – Vocabulary
8	DOC.PCD 13(2630) / ISO 8331 : 2007	Rubber and plastics hoses and hose assemblies -- Guidelines for selection, storage, use and maintenance
9	DOC.PCD 13(2633)	Vinyl coated fabrics - Specification (fourth revision of IS 1259)
10	DOC.PCD 13(2635)	Latex foam rubber products - Specification (first revision of IS 1741)
11	DOC.PCD 13(2636)	Ammonia preserved concentrated natural rubber latex (second revision of IS 5430)

#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 13(2457)	Teats for feeding bottles - Specification (first revision of IS 3565:1966)
2	DOC.PCD 13(2713) / ISO 1825:2010	Rubber hose for aircraft refueling and defuelling [fourth revision of IS 5797]
3	DOC.PCD 13(2714)	Code of practice for packaging and storage of vulcanized rubber [second revision of IS 6713]

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

**ASPECT WISE REPORT**

PRODUCT	107
CODE OF PRACTICES/GUIDES	3
TERMINOLOGY	8
DIMENSION	1
OTHERS	8

**TOTAL : 127**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

**PCD 18 Fragrance and Flavour Ingredients Sectional Committee**

**SCOPE** - To formulate Indian Standards for terminology, methods of sampling and tests, codes of practices, and specifications for fragrance and flavour Ingredients

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 326(Part 1):1984   ISO 212:1973	Methods of sampling and test for natural and synthetic perfumery materials Part 1 Sampling (second revision)	Dec 2010	
2	IS 326(Part 2):1980	Methods of sampling and test for natural and synthetic perfumery materials Part 2 Preliminary examination of perfumery materials and samples (second revision)	Dec 2010	
3	IS 326(Part 3):2006 / ISO 279:1998	Methods of sampling and test for natural and synthetic perfumery materials Part 3 Determination of relative density ( Third Revision )	Aug 2012	
4	IS 326(Part 4):2005 / ISO 592:1998	Methods of sampling and test for natural and synthetic perfumery materials Part 4 Determination of optical rotation (Third Revision)	Dec 2010	
5	IS 326(Part 5):2006 / ISO 280:1998	Methods of sampling and test for natural and synthetic perfumery materials Part 5 Determination of refractive index (Third Revision)	Aug 2012	
6	IS 326(Part 6):2005 / ISO 875:1999	Methods of sampling and test for natural and synthetic perfumery materials Part 6 Evaluation of miscibility in ethanol (third revision)	Dec 2010	
7	IS 326(Part 7):2006 / ISO 1242:1999	Methods of sampling and test for natural and synthetic perfumery materials Part 7 Determination of acid value (third revision)	Aug 2012	
8	IS 326(Part 8):2005 / ISO 709:2001	Methods of sampling and test for natural and synthetic perfumery materials Part 8 Determination of ester value, content of esters and combined alcohols (third revision)	Dec 2010	
9	** IS 326(Part 9):1980	Methods of sampling and test for natural and synthetic perfumery materials Part 9 Determination of ester value after acetylation and free alcohols (second revision)	Aug 2012	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

10	IS 326(Part 10):2005 / ISO 4715:1978	Methods of sampling and test for natural and synthetic perfumery materials Part 10 Determination of residue on evaporation (third revision)	Dec 2010	
11	* IS 326(Part 11):1986	Methods of sampling and test for natural and synthetic perfumery materials Part 11 Determination of carbonyl value and content of carbonyl compounds (second revision)	Dec 2010	
12	IS 326(Part 12):2005 / ISO 1272:2000	Methods of sampling and test for natural and synthetic perfumery materials Part 12 Determination of phenols (third revision)	Dec 2010	
13	** IS 326(Part 13):2005 / ISO 1202:1981	Methods of sampling and test for natural and synthetic perfumery materials Part 13 Determination of cineole content (third revision)	Dec 2010	
14	IS 326(Part 14):1985	Methods of sampling and test for natural and synthetic perfumery materials Part 14 Determination of heavy metals (second revision)	Dec 2010	
15	IS 326(Part 15):1984	Methods of sampling and test for natural and synthetic perfumery materials Part 15 Detection of petroleum and mineral oils (second revision)	Dec 2010	
16	IS 326(Part 16):1989	Methods of sampling and test for natural and synthetic perfumery materials Part 16 Determination of melting point and melting range (second revision)	Feb 2014	1
17	IS 326(Part 17):1989	Methods of sampling and test for natural and synthetic perfumery materials Part 17 Detection of chlorine (second revision)	Dec 2010	
18	IS 326(Part 18):1984 / ISO 1041:1973	Methods of sampling and test for natural and synthetic perfumery materials Part 18 Determination of freezing point (second revision)	Feb 2014	
19	** IS 326(Part 19):1998	Methods of sampling and test for natural and synthetic perfumery materials Part 19 Gas chromatographic analysis of perfumery materials	Feb 2014	
20	IS 326(Part 20):1993	Methods of sampling and test for natural and synthetic perfumery materials Part 20 Determination of boiling (Distillation) range (second revision)	Feb 2014	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS



21	IS 326(Part 21):2001 / ISO 11021:1999	Methods of sampling and test for natural and synthetic perfumery materials Part 21 Determination of water content - Karl Fischer method	Aug 2012	
22	* IS 327:1991	Oil of lemongrass - Specification (second revision)	Feb 2014	1
23	* IS 328:1992	Oil of eucalyptus globulus (second revision) - Specification	Aug 2012	1
24	IS 329:2004	Oil of sandalwood (third revision)	Dec 2010	
25	** IS 512:1988	Specification for oil of citronella (Java) (second revision)	Feb 2014	
26	IS 526:2007	Oil of palmarosa (third revision) - Specification	Aug 2012	
27	IS 528:1999	Oil of Mentha arvensis (Third Revision) - Specification	Aug 2012	
28	IS 533:2007	Gum spirit of turpentine (oil of turpentine) - Specification (third revision)	Aug 2012	
29	** IS 587:1997	Oil of geranium (third revision)	Feb 2014	
30	* IS 761:1988	Specification for oil of ginger (first revision)	Dec 2010	1
31	IS 1177:1996	Oil of vetiver (cultivated and KHUS) (second revision)	Feb 2014	1
32	IS 1615:1996	Oil of Himalyan cedarwood (second revision)	Feb 2014	
33	IS 1799:1981	Specification for citral (first revision)	Dec 2010	2
34	IS 1800:1989	Geraniol (second revision)	Dec 2010	
35	* IS 1801:1997	Citronellol - Specification (third revision)	Dec 2010	
36	IS 1802:2005	Ionone (third revision)	Dec 2010	
37	* IS 2284:1988	Method for olfactory assessment of natural and synthetic perfumery materials (first revision)	Feb 2014	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

38	IS 3123:2005	Hydroxycitronellal (third revision)	Dec 2010	
39	IS 3124:2006	Terpineol - Specification (third revision)	Aug 2012	
40	IS 3134:1992	Menthol - Specification (first revision)	Dec 2010	1
41	IS 3145:1986	Musk xylol (first revision)	Dec 2010	
42	IS 3146:1991	Oil of celery seed (first revision)	Feb 2014	
43	IS 3147:1992	Oil of dill seed - Specification (first revision)	Feb 2014	1
44	IS 3180:1984	Linalyl acetate (first revision)	Dec 2010	
45	IS 3228:1986	Musk ketone (first revision)	Dec 2010	
46	IS 3241:1985	Geranyl acetate (first revision)	Dec 2010	
47	IS 3250:2005	Methyl ionone - Specification (third revision)	Dec 2010	
48	IS 3349:1989	Resinoid benzoin, pure (first revision)	Dec 2010	
49	IS 3398:2003	Oil of patchouli (first revision)	Feb 2014	
50	IS 3504:2006	Thymol - Specification (third revision)	Aug 2012	
51	IS 3584:2007	Camphor (second revision)	Aug 2012	
52	IS 3858:2006	Benzylacetate (third revision) - Specification	Aug 2012	
53	IS 3924:1980	Benzyl alcohol (first revision)	Dec 2010	1
54	IS 3925:1980	Eugenol (first revision)	Dec 2010	1
55	IS 3926:1986	Methyl cinnamate (first revision)	Dec 2010	1

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

56	IS 3927:1986	iso-butyl phenyl acetate (first revision)	Dec 2010	
57	IS 3928:1986	Styralyl acetate (first revision)	Dec 2010	1
58	IS 3929:1984	Amyl salicylate (first revision)	Dec 2010	
59	IS 4272:1986	Vanillin (first revision)	Dec 2010	
60	IS 4273:1984	iso-Bornyl acetate (first revision)	Dec 2010	
61	IS 4603:1991	Phenyl ethyl alcohol (first revision)	Dec 2010	1
62	IS 5164:1984	Iso-borneol (first revision)	Feb 2014	
63	IS 5752:1970	Yara yara	Dec 2010	
64	IS 5753:2006	Alpha-Amyl cinnamic aldehyde - Specification (third revision)	Aug 2012	
65	IS 5754:1998	Phenyl acetic acid, perfumery grade - Specification (second revision)	Feb 2014	
66	IS 5757:1992	Pine oil perfumery grade - Specification (second revision)	Feb 2014	2
67	IS 6597:2001	Glossary of terms relating to fragrance and flavour industry (second revision)	Aug 2012	
68	IS 6698:1972	Oil of clove	Dec 2010	
69	IS 6699:1989   ISO 3524:1977	Perfumery materials - Oil of Cinnamon leaf - Specification (first revision)	Dec 2010	
70	IS 6770:1984	Benzophenone (first revision)	Dec 2010	
71	IS 6774:2006	Classification of essential oil-bearing aromatic plants (first revision)	Dec 2010	
72	IS 7696:1991	para-Cresyl methyl ether (first revision)	Feb 2014	
73	IS 7697:1991	Phenyl ethyl methyl ether - Specification (first revision)	Feb 2014	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

74	IS 9257:1993	Oil of Eucalyptus Citriodora - Specification (first revision)	Dec 2010
75	IS 13261:1991	Oil of Mentha citrata - Specification	Dec 2010
76	IS 13358(Part 1):1992	Code of practice for cultivation of aromatic plants Part 1 Geranium	Dec 2010
77	IS 13358(Part 2):1992	Code of practice for cultivation of aromatic plants Part 2 Lemongrass	Dec 2010
78	IS 13358(Part 3):1992	Code of practice for cultivation of aromatic plants Part 3 Citronella (Java)	Dec 2010
79	IS 13358(Part 4):1993	Codes of practice for cultivation of aromatic plants: Part 4 Mentha arvensis (Japanese mint) and Mentha citrata (Bergamot-mint)	Dec 2010
80	IS 13358(Part 5):1993	Codes of practice for cultivation of aromatic plants: Part 5 Mentha piperita (Peppermint) and Mentha spicata (Spearmint)	Dec 2010
81	IS 14507:1998	Diphenyl Ether - Specification	Dec 2010
82	IS 14508:1998	Oil of Jamrosa - Specification	Dec 2010
83	IS 15068:2001	Oil of cardamom (elettaria Cardamomum Maton) - Specification	Aug 2012
84	IS 15069:2001	Oil of cuminseed - Specification	Aug 2012
85	IS 15070:2001	Oil of black pepper - Specification	Aug 2012
86	IS 15135:2002	Oil of davana - Specification	Feb 2014
87	IS 15136:2002	Oil of Basil, Methyl chavicol type - Specification	Feb 2014
88	IS 15740:2007	Oil of rose - Specification	Aug 2012

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

## FINALISED DRAFTS UNDER PRINT

1	DOC.PCD 18(2668) / ISO 1241:1996	Methods of sampling and test for natural and synthetic perfumery materials: Part 9/Section 1- Determination of ester values, before and after acetylation, and evaluation of the contents of free and total alcohols [third revision of IS 326 (Pt 9)]
2	DOC.PCD 18(2356)	Citronellol - Specification (fourth revision of IS 1801:1997)
3	DOC.PCD 18(2401)	Essential Oils - General guidance on the determination of flash point
4	DOC.PCD 18(2402)	Oil of Eucalyptus Globulus - Specification (third revision of IS 328)
5	DOC.PCD 18(2403)	Oil of Ginger - Specification (second revision of IS 761)
6	DOC.PCD 18(2663) / ISO 356:1996	Essential oils - Preparation of test samples
7	DOC.PCD 18(2664) / ISO 7660:1983	Essential oils - Determination of ester value of oils containing difficult-to-saponify esters
8	DOC.PCD 18(2665) / ISO 14714:1998	Essential oils and aromatic extracts ? Determination of residual benzene content
9	DOC.PCD 18(2666) / ISO 1271:1983	Methods of sampling and test for natural and synthetic perfumery materials: Part 11 Determination of carbonyl value: Section 1 Free hydroxylamine method [Third Revision of IS 326 (Part 11)]
10	DOC.PCD 18(2667) / ISO 1279:1996	Methods of sampling and test for natural and synthetic perfumery materials: Part 11 determination of carbonyl value: Section 2 Potentiometric methods using hydroxylammonium chloride [Third Revision of IS 326 (Part 11)]
11	DOC.PCD 18(2669) / ISO 3794:1976	Methods of sampling and test for natural and synthetic perfumery materials: Part 9/Section 2 - (containing tertiary alcohols) - Estimation of free alcohols content by determination of ester value after acetylation [Third Revision of IS 326(P 9)]

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

**P-DRAFT UNDER PREPARATION**

- |   |                  |  |
|---|------------------|--|
| 1 | DOC.PCD 18(2701) | Essential Oils - General rules for labelling and marking of containers |
| 2 | DOC.PCD 18(2721) | Essential Oils - General rules for packaging, conditioning and storage |

**ASPECT WISE REPORT**

PRODUCT	59
METHODS OF TEST	22
CODE OF PRACTICES/GUIDES	5
TERMINOLOGY	1
OTHERS	1

**TOTAL : 88**

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

## PCD 19 Cosmetics Sectional Committee

**SCOPE** - To formulate Indian Standards for terminology, methods of sampling and tests, codes of practice and specifications for raw materials for cosmetics and toilet goods (excluding soaps) and for finished products.

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 263:1990	Boric acid for cosmetic industry - Specification (fifth revision)	May 2011	
2	IS 918:1985	Specification for calcium carbonate for cosmetic industry (second revision)	Dec 2012	2
3	* IS 1462:1985	Specification for talc for cosmetic industry (third revision)	Dec 2012	4
4	IS 1463:1983	Specification for kaolin for cosmetic industry (third revision)	May 2011	
5	IS 1767:1980	Specification for dicalcium phosphate for dentifrice (second revision)	Dec 2012	2
6	IS 2519:1983	Specification for calcium stearate for cosmetic industry (second revision)	May 2011	2
7	IS 2520:1984	Specification for zinc stearate for cosmetic industry (second revision)	May 2011	1
8	IS 2521:1984	Specification for magnesium stearate for cosmetic industry (second revision)	May 2011	2
9	IS 2528:1984	Specification for magnesium carbonate for cosmetic industry (second revision)	May 2011	
10	IS 2529:1983	Specification for magnesium oxide for cosmetic industry (second revision)	May 2011	
11	IS 2850:1983	Specification for zinc oxide for cosmetic industry (second revision)	May 2011	1
12	IS 2851:1983	Titanium dioxide for cosmetic industry (second revision)	May 2011	1
13	IS 3958:1984	Methods of sampling cosmetics (first revision)	Feb 2014	
14	** IS 3959:2004	Skin powders - specification (second revision)	Feb 2014	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

15	* IS 3986:1988	Specification for sodium lauryl sulphate for cosmetic industry (third revision)	Dec 2012	2
16	IS 3987:2006	Sorbitol solution (70 percent) for cosmetic industry - Specification (third revision)	Dec 2012	1
17	* IS 4011:1997	Methods of test for safety evaluation of cosmetics (second revision)	Feb 2014	3
18	IS 4028:1992	Beeswax, bleached for cosmetic industry - specification (third revision)	Dec 2012	1
19	IS 4236:1999	Glyceryl monostearate for cosmetic industry - specification (third revision)	Feb 2014	
20	IS 4652:1987	Specification for ethyl p-hydroxybenzoate for cosmetic industry (second revision)	May 2011	1
21	IS 4653:1985	Specification for methyl p-hydroxybenzoate for cosmetic industry (second revision)	Dec 2012	1
22	* IS 4707(Part 1):2001	Classification of cosmetic raw materials and adjuncts: Part 1 Dyes, Colours and Pigments (second revision)	Sep 2012	2
23	* IS 4707(Part 2):2009	Classification for cosmetic raw materials and adjuncts Part 2 List of raw materials generally not recognized as safe for use in cosmetics (third revision)		
24	IS 4887:1980	Specification for petroleum jelly for cosmetic industry (first revision)	Dec 2012	
25	IS 5339:2004	Skin powder for infants - Specification (second revision)	Feb 2014	
26	IS 5340:1981	Specification for lanolin, anhydrous for cosmetic industry (first revision)	May 2011	1
27	IS 5356:1983	Specification for iso-Propyl myristate for cosmetic industry (second revision)	May 2011	1
28	IS 5383:2006	Tooth powder - Specification (second revision)	Sep 2012	
29	IS 6333:1985	Specification for Propyl p-hydroxybenzoate for cosmetic industry (second revision)	Dec 2012	1
30	IS 6334:1987	Specification for butyl p-hydroxybenzoate for cosmetic industry (second revision)	Dec 2012	2
31	** IS 6356:2001	Tooth paste - Specification (third revision)	Sep 2012	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS



32	** IS 6608:2004	Skin creams - Specification (second revision)	Feb 2014	
33	** IS 7101:1994	Coconut diethanolamide for cosmetic industry - Specification (Second Revision)	Feb 2014	1
34	IS 7123:1993	Hair oils - Specification (second revision)	Feb 2014	5
35	IS 7159:1984	Methods of test for henna powder (first revision)	May 2011	1
36	* IS 7299:1974	Specification for mineral oil for cosmetic industry	Feb 2014	4
37	IS 7669:1990	Shampoo, soap-based - Specification (first revision)	May 2011	3
38	** IS 7679:1978	Specification for hair cream (first revision)	Sep 2012	3
39	IS 7884:2004	Shampoo - Specification (third revision)	Feb 2014	1
40	IS 8481:2005	Oxidation hair dyes, liquid, gel and cream - Specification (third revision)	May 2011	1
41	** IS 8482:1995	Cologne (first revision)	Feb 2014	3
42	IS 9245:1994	Nail polish (nail enamel) - Specification (first revision)	May 2011	3
43	IS 9255:1995	After shave lotion - Specification (first revision)	Sep 2012	2
44	IS 9339:1988	Specification for pomades and brilliantines (first revision)	May 2011	4
45	IS 9601:1980	Specification for sodium silicate for cosmetic industry	Dec 2012	1
46	IS 9636:1988	Specification for depilatories, chemical (first revision)	May 2011	4
47	IS 9681:1980	Specification for stearic acid for cosmetic industry	Dec 2012	2
48	IS 9740:1981	Specification for shaving cream	Sep 2012	5
49	IS 9830:1988	Water-soluble sodium carboxymethyl cellulose for cosmetic industry	May 2011	1

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

50	IS 9831:1987	Specification for sodium hydroxide for cosmetic industry (first revision)	May 2011	
51	** IS 9832:2002	Cosmetic pencils - Specification (first revision)	Sep 2012	
52	IS 9875:1990	Lipstick - Specification (first revision)	May 2011	5
53	IS 10283:1982	Specification for ethyl acetate for cosmetic industry	Dec 2012	
54	IS 10284:1982	Specification for lipsalve	May 2011	3
55	IS 10301:1982	Specification for iso-Propyl alcohol for cosmetic industry	May 2011	
56	IS 10350:1999	Powder hair dyes - Specification(Second Revision)	Feb 2014	2
57	* IS 10377:1982	Specification for p-Phenylenediamine	Feb 2014	
58	IS 10998:1984	Specification for Bindi (liquid)	Feb 2014	2
59	IS 10999:1999	Kumkum powder - Specification (first revision)	Feb 2014	1
60	IS 11015:1984	Specification for ammonium chloride for cosmetic industry	May 2011	
61	IS 11023:1984	Specification for borax for cosmetic industry	May 2011	
62	IS 11142:1984	Specification for henna powder	May 2011	2
63	IS 11375:1985	Specification for groundnut oil for cosmetic industry	Dec 2012	1
64	IS 11376:1985	Specification for sesame oil for cosmetic industry	Dec 2012	1
65	IS 11377:2001	Guidelines for hygienic manufacture of cosmetics (first revision)	Sep 2012	
66	IS 11470:1985	Specification for coconut oil for cosmetic industry	Dec 2012	
67	IS 11486:1985	Specification for castor oil for cosmetic industry	Dec 2012	2

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

68	IS 11487:1985	Specification for sodium lauryl ether sulphate	Dec 2012	3
69	IS 12590:1988	Specification for glycerine for cosmetic industry	May 2011	1
70	* IS 13965:1994	Coconut monoethanolamide for cosmetic industry - Specification	May 2011	1
71	IS 14137:1994	Cetyl alcohol for cosmetic industry - Specification	May 2011	
72	IS 14318:1996	Liquid foundation make-up - Specification	Aug 2009	3
73	IS 14648:2011	Microbiological examination of cosmetics and cosmetic raw materials - Methods of test (second revision)	Feb 2014	
74	IS 14649:1999	Sindoor - Specification	Feb 2014	2
75	IS 15152:2002	Cold wax - Hair remover - Specification	Sep 2012	
76	IS 15153:2002	Face pack - Specification	Sep 2012	
77	IS 15154:2002	Kajal - Specification	Sep 2012	
78	IS 15205:2005	Oxidation Hair Dyes (Emulsion type) - Specification (first revision)	May 2011	
79	IS 15467:2004	Glossary of terms - Cosmetics	Aug 2009	
80	IS 15608:2005	Cream bleach - Specification	May 2011	
81	IS 15735:2006	Herbal cosmetics - General guidelines	Sep 2012	

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

1	DOC.PCD 19(2648)	Mineral oil for cosmetic industry (first revision of IS 7299)
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#### **DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 19(2698)	Methods of test for cosmetics - Determination of heavy metals (As, Cd, Pb & Hg) by Atomic absorption spectrometry
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\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

2	DOC.PCD 19(2722)	Classification of cosmetics raw materials and adjuncts: Part 1 Dyes, colours and pigments [third revision of IS 4707(Part 1)]
3	DOC.PCD 19(2725)	Shaving cream - Specification (first revision of IS 9740)
4	DOC.PCD 19(2732)	Classification of cosmetics raw materials and adjuncts: Part 2 List of raw materials generally not recognized as safe for use in cosmetics [fourth revision of IS 4707(Part 2)]

**P-DRAFT UNDER PREPARATION**

1	DOC.PCD 19(2511)	Cocoamido Propyl Betaine for cosmetic industry - specification
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**ASPECT WISE REPORT**

PRODUCT	68
METHODS OF TEST	4
CODE OF PRACTICES/GUIDES	1
OTHERS	8

**TOTAL : 81**

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

## PCD 21 Plastics Containers Sectional Committee

**SCOPE** - Formulation of Indian Standards on rigid, semi-rigid and flexible plastic containers, closures and their methods of test

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 2798:1998	Methods of test for plastics containers (first revision)	Sep 2013	2
2	IS 6312:1994	Polyethylene containers for the transport of materials - Specification (Second Revision)	Jul 2010	1
3	IS 6604:1991	Code for packaging of solid pesticides (up to 1000 g) (first revision)	Nov 2012	
4	IS 7019:1998	Glossary of terms in plastics and flexible packaging, excluding paper (second revision)	Sep 2013	
5	IS 7394:1984	Plastics containers for reserve fuel (first revision)	Jul 2010	1
6	IS 7408(Part 1):2000	Blow moulded polyolefin containers Part 1 Up to 5 litres capacity (second revision)	Jul 2010	1
7	IS 7408(Part 2):2000	Blow moulded polyolefin containers Part 2 Over 5 litres up to and including 60 litres capacity (first revision)	Jul 2010	1
8	IS 7408(Part 3):2000	Blow moulded polyolefin containers Part 3 Closed head containers over 60 litres, up to and including 250 litres capacity (first revision)	Jul 2010	1
9	IS 7792:1975	Code of practice for handling plastics containers	Sep 2013	1
10	IS 7803(Part 1):1975	Polyethylene containers for pharmaceutical use Part I Other than parenteral and ophthalmic preparations	Sep 2013	2

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

11	IS 7803(Part 2):1975	Plastic containers for pharmaceutical use Part II Parenteral and ophthalmic preparations	Sep 2013	1
12	IS 7959:1987	Polyethylene containers for foam compounds (first revision)	Sep 2013	1
13	IS 8688:2004	Plastics bottles for potable water - Specification (second revision)	Jul 2010	
14	IS 8747:1977	Methods of tests for environmental stress-crack resistance of blow-moulded polyethylene containers	Jul 2010	
15	IS 9738:2004	Polyethylene bags for general purposes (second revision)	Jul 2010	
16	IS 9754:1981	High density polyethylene containers for packing of liquid pesticides (up to 1litre capacity)	Sep 2013	3
17	IS 10840:1994	Blow moulded HDPE containers for packing of vanaspati (second revision)	Jul 2010	3
18	IS 11342:1994 / ISO 6591-2:1985	Packaging - Sacks made from thermoplastic films - Description and method of measurement (first revision)	Jul 2010	
19	IS 11343:1994 / ISO 6590-2:1986	Packaging - Sacks made from thermoplastic films - Vocabulary (first revision)	Jul 2010	
20	** IS 11352:1998	Flexible pouches for the packing of vanaspati upto 5 kg or 5 litres - Specification (second revision)	Sep 2013	1
21	IS 11584:1986	High density polyethylene (HDPE) crates for milk satchets	Sep 2013	4
22	IS 11805:2007	Polyethylene pouches for packaging liquid milk (second revision)		
23	IS 12007:1987	Laminated collapsible tubes	Nov 2012	1
24	IS 12395:1988	Disposable trash bags of plastics	Sep 2013	2
25	IS 12512:1989	HDPE containers - for liquid pesticides - capacity over 1 and upto 5 litres	Jul 2010	2
26	IS 12724:2004	Flexible pouches for packing of refined edible oils upto 5 kg or 5 litre	Jul 2010	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

27	IS 12787:1989	Polyethylene air bubble film	Jul 2010	1
28	IS 12883:1989	Polyvinyl chloride (PVC) bottles for edible oils	Jul 2010	2
29	IS 12887:1989	Polyethylene terephthalate (PET) bottles for packaging of edible oils	Sep 2013	3
30	IS 13123:2000	Packing of liquid pesticides - Polyethylene terephthalate (PET) bottles (up to 5 litres capacity) (first revision)	Jul 2010	1
31	IS 13289:1993	Polypropylene/Impact copolymer (PPCP) crates for milk satchets	Sep 2013	1
32	IS 14129:1994	Flexible packaging materials for the packing of vanaspati in 10 kg and 15 kg packs	Jul 2010	1
33	IS 14537:1998	Polyethylene terephthalate (PET) bottles for packaging of alcoholic liquor	Sep 2013	
34	** IS 14625:1999	Plastics feeding bottles	Jul 2010	5
35	IS 14636:1998	Flexible packaging materials for packaging of edible oils, ghee and vanaspati	Sep 2013	1
36	IS 14764:2000	Polyethylene terephthalate (PET) containers for packaging of vanaspati specification	Jul 2010	
37	IS 15410:2003	Plastic bottle containers for packaging of natural mineral water and packaged drinking water - Specification	Sep 2013	3
38	IS 15473:2004	Blow moulded HDPE containers for packaging of edible oil - Specification	Jul 2010	
39	IS 15532:2004	Plastic crates for fruits and vegetables - Specification	Jul 2010	
40	IS 15609:2005	Polyethylene flexible pouches for the packing of natural mineral water and packaged drinking water - Specification	Jul 2010	
41	IS 15749:2007	Fluorinated HDPE Bottles and Containers - Specification		

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

1	DOC.PCD 21(2729)	Flexible pouches for packing vanaspati upto 5 Kg or 5 litres (third revision of IS 11352)
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**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

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

1 DOC.PCD 21(2662) Plastics feeding bottle (first revision of IS 14625)

**P-DRAFT UNDER PREPARATION**

1 DOC.PCD 21(2671) Flexible composite films intended to be used for packaging of pesticide solid formulation

2 DOC.PCD 21(2672) Specification for co-extruded [HDPE/EVOH, HDPE / PA) plastics containers for packaging of liquid pesticides (upto 1 litre capacity)

3 DOC.PCD 21(2673) Specification for co-extruded [HDPE/EVOH, HDPE / PA) plastics containers for packaging of liquid pesticides (over 1 litre and upto 5 litre capacity)

**ASPECT WISE REPORT**

PRODUCT	35
METHODS OF TEST	2
CODE OF PRACTICES/GUIDES	2
TERMINOLOGY	1
OTHERS	1

**TOTAL : 41**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*



**PCD 25 Lubricants and Related Products Sectional Committee**

**SCOPE** - To formulate Indian Standards for terminology; lubricants, bio lubricants, lubricating oils, greases and specialties and their related products like hydraulic fluids, corrosion preventive, quenching and cutting oils, radiator coolants and codes of practice for storage, handling, transport and application

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 408:1981	Specification for grease No. 0, graphited (second revision)	Sep 2009	2
2	IS 493(Part 1):1981	General purpose machinery and spindle oils, Part I Machinery Oils (first revision)	Sep 2009	
3	IS 493(Part 2):1981	General purpose machinery and spindle oils, Part II Spindle oils (first revision)	Sep 2009	1
4	* IS 495:1967	Specification for graphite, flake for lubricants (first revision)	Apr 2013	
5	* IS 506:1993	Specification for automotive grease (third revision) (superseding IS:509-1953)	Dec 2011	1
6	IS 507:1993	Specification for general purpose grease (third revision)	Dec 2011	
7	IS 508:1987	Specification for grease, graphited (fourth revision)	Sep 2009	1
8	IS 719:1990	Specification for antifriction bearing grease (second revision) (superseding IS:1276:1958)	Apr 2013	
9	IS 720:1986	Specification for locomotive grease (third revision) (superseding IS:721-1955)	Apr 2013	
10	IS 958:2000	Temporary corrosion preventive grease, soft film specification (second revision) (superseded IS 6048:1970)	Dec 2011	
11	IS 1012:2002	Turbine lubricating oils - Specification (third revision)	Apr 2013	2
12	* IS 1083:1978	Specification for industrial white oil (first revision)	Apr 2013	1

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

13	IS 1088:1987	Specification for lubricants for clock like mechanisms and precision instruments (second revision)	Sep 2009	1
14	IS 1115:1986	Specification for cutting oil, soluble (second revision)	Apr 2013	1
15	IS 1118:1992	Specification for gear lubricants, multipurpose (extreme pressure gear oil) (first revision)	Dec 2011	
16	IS 1153:2000	Temporary corrosion preventives, hard film, solvent deposited (second revision)	Dec 2011	
17	IS 1154:2000	Temporary corrosion preventive fluid, soft film, solvent deposited, water displacing (first revision) (superseded IS 1647:1960)	Dec 2011	
18	IS 1589:1994	Oil, cylinder - Specification (first revision)	Dec 2011	
19	IS 1628:1986	Specification for Axle Oil (second revision)	Apr 2013	
20	IS 1758:1986	Specification for jute batching oil (second revision)	Apr 2013	
21	IS 2297:1997	Gear lubricants, compounded - Specification (third revision)	Sep 2009	
22	IS 2664:1980	Specification for quenching oil (second revision)	Sep 2009	1
23	IS 3065:1985	Specification for cutting oil, neat(second revision)	Apr 2013	1
24	IS 3098:1983	Specification for oil, hydraulic, mineral oil type (second revision)	Sep 2009	
25	IS 4543:1977	Specification for marquenching oil (first revision)	Sep 2009	1
26	IS 4578:1997	Lubricating oils for refrigeration machinery - Specification (second revision)	Sep 2009	
27	IS 5730:1970	Specification for volatile corrosion inhibitor powder	Sep 2009	
28	IS 5759:2006	Antifreeze Coolant - Specification (second revision)		
29	IS 6049:1971	Code of practice for application of temporary corrosion preventives	Apr 2013	1

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

30	IS 6050:1971	Specification for temporary corrosion preventives, strippable, hot dipping type	Sep 2009	2
31	IS 6263:1972	Specification for VCI treated paper	Sep 2009	
32	IS 6552:1987	Specification for straight mineral high demulsibility oils (first revision)	Sep 2009	
33	IS 7514:1994	Grease, Low temperature - Specification (First Revision)	Dec 2011	
34	* IS 7623:1993	Specification for lithium base grease for industrial purposes (second revision)(superseding IS:1002-1956)	Dec 2011	
35	IS 8406:1993	Specification for gear lubricants for enclosed industrial gear drives (second revision)	Dec 2011	
36	* IS 8654:2001	Automotive hydraulic brake fluid, heavy duty (second revision)	Dec 2011	
37	IS 9136:1993	Specification for calcium complex grease (first revision)	Sep 2009	
38	* IS 9182(Part 1):1993	Specification for lubricants for wire ropes and fibre cores Part I lubricants for fibre core of wire ropes (first revision)	Sep 2009	
39	IS 9182(Part 2):1993	Specification for lubricants for wire ropes and fibre cores Part II Lubricants for wire strends and ropes (first revision)	Sep 2009	
40	IS 9182(Part 3):1993	Specification for lubricants for wire ropes and fibre cores Part III Lubricantsfor rope dressing in service (first revision)	Sep 2009	
41	IS 9466:1980	Viscosity classification of industrial liquid lubricants	Sep 2009	
42	IS 9554:1980	Lubricants for open gears	Sep 2009	1
43	IS 9611:1980	Specification for cutting oil soluble, clear	Sep 2009	1
44	IS 9917:1993	Calcium base heat resistant grease (first revision)	Dec 2011	
45	IS 10522:1983	Antiwear hydraulic oil	Sep 2009	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

46	IS 10531:1983	Code of practice for selection and use of fire resistant hydraulic fluids	Sep 2009	
47	IS 10532(Part 1):1983	Fire resistant hydraulic fluids Part I Dilute emulsions for powered supports	Sep 2009	1
48	IS 10532(Part 2):1983	Fire resistant hydraulic fluids Part II Invert emulsions water-in-oil type	Sep 2009	1
49	IS 10532(Part 3):1983	Fire resistant hydraulic fluids Part III Water glycol type	Sep 2009	2
50	* IS 10532(Part 4):1983	Fire resistant hydraulic fluids Part IV Phosphate ester type	Sep 2009	2
51	IS 10647:1983	Wheel bearing grease	Sep 2009	
52	IS 11159(Part 1):1985	General classification of lubricants, industrial oils and related products (Part I) (Class L)	Apr 2013	
53	* IS 11159(Part 2):1989	Classification of lubricants, industrial oils and related products Part 2 Family A (Total loss systems)	Dec 2011	
54	IS 11159(Part 3):1989	General classification of lubricants, industrial oils and related products (Part 3) Family F (Spindle bearings, bearings and associated clutches)	Dec 2011	
55	IS 11159(Part 4):2011 / ISO 6743-3:2003	Lubricants, industrial oils and related products (Clause L) - Classification Part 3 Family D (Compressors) (IS 11159(Part 4):2010)		
56	IS 11159(Part 5):2012 / ISO 6743-4:1999	Lubricants, industrial oils and related products (Clause L) - Classification Part 4 Family H (Hydraulic Systems) (IS 11159(Part 5):2010)		
57	IS 11159(Part 6):2011 / ISO 6743-5:2006	Lubricants, industrial oils and related products (Clause L) - Classification Part 5 Family T (Turbines) (IS 11159(Part 6):2010)		
58	IS 11159(Part 7):2012 / ISO 6743-6:1990	Lubricants, industrial oils and related products (Clause L) - Classification Part 6 Family G (Gears) (IS 11159(Part 7):2010)		
59	IS 11186:1985	Synthetic grinding fluid	Apr 2013	1

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

60	* IS 11637:1986	Specification for Calcium base, E.P. grease	Apr 2013	
61	IS 11656:1986	Antiwear hydraulic oil, extra Heavy duty type	Apr 2013	1
62	* IS 11695:1986	Specification for inhibited type machinery oil	Apr 2013	
63	IS 11696:1986	Specification for inhibited type spindle oil	Apr 2013	
64	IS 12203:1999	Lithium base grease for automotive purposes (first revision)	Sep 2009	
65	IS 12790:1999	Non-soap grease - Specification (first revision)	Sep 2009	
66	IS 12927:2004	Glass moulding oils - specification (first revision)	Sep 2009	
67	IS 13256:1992	Air compressor lubricants - Types DAA and DAB	Sep 2009	
68	* IS 13656:2002	Internal Combustion Engine Crankcase Oils (Gasoline and Diesel) (first revision)	Apr 2013	
69	IS 13796:2004	Molybdenum disulphide powder for lubricants - specification (first revision)	Sep 2009	
70	IS 13797:1993	Molybdenum disulphide dispersion in oil	Sep 2009	
71	IS 13913:1994	Molybdenum disulphide paste	Dec 2011	
72	IS 14234(Part 1):2002	Lubricants for spark ignition air-cooled gasoline engines (Part 1) two stroke spark ignition air-cooled gasoline engines (first revision)	Apr 2013	
73	IS 14383:1996	Silicone greases - Specification	Apr 2013	
74	IS 14384:1996	Colloidal graphite dispersion in oil - Specification	Apr 2013	
75	IS 14385:1996	Aluminium cold rolling oils - Specification	Apr 2013	
76	IS 14745:1999	Thermic fluid - specification	Sep 2009	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

77	IS 14779:2000	General purpose oil based temporary corrosion preventives	Dec 2011
78	IS 14847:2000	Lithium complex grease	Dec 2011
79	IS 15112(Part 1):2002 / ISO 12925-1:1996	Lubricants, industrial oils and related products (Class L) - Family C (Gears) Part 1 Specification for lubricants for enclosed gear system.	Apr 2013

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

1	DOC.PCD 25(2343)	Graphite flake for lubricants - Specification (second revision of IS 495)
2	DOC.PCD 25(2520)	General purpose grease for defence applications - Specification (fourth revision of IS 507)
3	DOC.PCD 25(2522)	Specification for calcium base extreme pressure grease (first revision of IS 11637)
4	DOC.PCD 25(2246)	Internal combustion engine - Crankcase oils (Diesel & gasoline) - Specification (second revision of IS 13656)
5	DOC.PCD 25(2514)	Lubricant for spark ignition - Air cooled gasoline engines Part 2 - Four stroke spark ignition air cooled engines of scooters, mopeds and motorcycles (IS 14234 Part 2)
6	DOC.PCD 25(2521)	Lithium base grease for industrial purpose - Specification (third revision of IS 7623)
7	DOC.PCD 25(2537)	SYNGA/AMMONIA TURBO Compressor Lubricating Oils - Specification
8	DOC.PCD 25(2615)	Specification for lubricants for wire ropes and fibre cores Part 1 lubricants for fibre core of wire ropes [second revision of IS 9182(Part 1)]
9	DOC.PCD 25(2700)	Fire resistant hydraulic fluid (Part 5) Polyol ester type

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

1	DOC.PCD 25(2519)	Automotive and other general purpose grease specification (fourth revision of IS 506)
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\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

2 DOC.PCD 25(2702) Specification for fire resistant hydraulic fluids  
Part 4 Phosphate Esters Type (First Revision)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1 DOC.PCD 25(2536) Girth Gear Lubricants - Specification

**DRAFT STANDARDS APPROVED FOR WIDE CIRCULATION**

1 DOC.PCD 25(2659) All weather antiwear hydraulic oils

**ASPECT WISE REPORT**

PRODUCT	72
CODE OF PRACTICES/GUIDES	2
OTHERS	5

**TOTAL : 79**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

## PCD 26 Dye Intermediates Sectional Committee

**SCOPE** - To formulate Indian Standards for methods of sampling and test and specifications for intermediates for dyestuffs and allied industries

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 2630:1992	Nitrobenzene (second revision)	Mar 2013	
2	IS 2740:1986	Sulphanilic acid, technical (second revision)	Mar 2013	
3	IS 2741:1989	Beta-Naphthol (second revision)	Sep 2011	1
4	IS 2744:1984	1-Naphthylamine (first revision)	Sep 2011	1
5	IS 2833:1973	Aniline, technical (first revision)	Sep 2011	
6	IS 3229:2003	Naphthionic acid (sodium salt) (second revision)	Mar 2013	
7	IS 3242:1989	Beta-oxynaphthoic acid (BON ACID) (first revision)	Sep 2011	
8	IS 3562:1997	p-nitrotoluene, technical	Mar 2013	
9	IS 4265:1975	4,4'-Diaminostilbene-2,2'- Disulphonic acid (first revision)	Mar 2013	
10	IS 4334:1985	2-Chloroaniline (first revision)	Sep 2011	1
11	IS 4335:1985	m-Chloroaniline (first revision)	Sep 2011	1
12	IS 4336:1985	4-Chloroaniline (first revision)	Sep 2011	1
13	IS 4425:1967	p-Nitrotoluene-o-sulphonic acid	Mar 2013	1
14	IS 4523:1989	Acetoacetanilide (first revision)	Sep 2011	
15	IS 4524:1989	Acetoacet-o-chloroanilide (first revision)	Sep 2011	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**



16	IS 4527:1968	2-Nitro-4-chlorotoluene	Sep 2011	1
17	IS 4528:1977	4,4'-Dinitrostilbene-2,2'- disulphonic acid (disodium salt) (first revision)	Sep 2011	1
18	IS 5042:1976	1-Aminoanthraquinone (first revision)	Sep 2011	1
19	IS 5043:1992	2-Aminoanthraquinone (second revision)	Mar 2013	
20	IS 5044:1969	Benzanthrone	Sep 2011	1
21	IS 5299:2001	Methods of sampling and tests for dye-intermediates (first revision)	Sep 2011	
22	IS 5438:1977	Nitrobenzene-3-sulphonic acid, sodium salt (first revision)	Sep 2011	1
23	IS 5646:1970	p-Anisidine	Sep 2011	1
24	IS 5647:2003	p-Toluidine (first revision)	Mar 2013	
25	IS 5648:2003	O-Anisidine (first revision)	Mar 2013	1
26	IS 5649:2003	2-Toluidine (second revision)	Mar 2013	
27	IS 6258:2003	O-Nitroanisole (first revision)	Sep 2011	
28	IS 6259:1971	Anthraquinone, technical	Sep 2011	1
29	IS 6260:1971	p-Nitroanisole	Sep 2011	
30	IS 6264:1994	J-acid, Technical - (first revision)	Mar 2013	
31	IS 6265:1971	Quinizarine, technical	Sep 2011	
32	IS 6266:1983	1, 4-Diaminoanthraquinone, technical (first revision)	Sep 2011	
33	IS 6961:1984	3-Bromobenzanthrone, technical (first revision)	Sep 2011	1

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

34	IS 6962:1991	3,9-Dibromobenzanthrone, technical-Specification (first revision)	Sep 2011	1
35	IS 6977:1973	1,5-Diaminoanthraquinone, technical	Sep 2011	1
36	IS 7359:1992	1-Chloroanthraquinone, technical (first revision)	Mar 2013	1
37	IS 7360:1992	1,5-Dichloroanthraquinone, technical (first revision)	Mar 2013	1
38	IS 7362:1986	Tobias acid (first revision)	Sep 2011	1
39	IS 7364:1986	3-Nitro-4-aminotoluene (first revision)	Sep 2011	1
40	IS 7635:1992	2-Nitroaniline(first revision)	Mar 2013	1
41	IS 7636:1992	4-Chloro-2-toluidine (first revision)	Mar 2013	2
42	IS 7637:1992	5-Chloro-2-toluidine (first revision)	Sep 2011	
43	IS 7641:1975	4-Chloro-2-anisidine	Sep 2011	
44	IS 7643:2003	4-Chloro-2-nitroaniline (first revision)	Mar 2013	
45	IS 7644:2003	3-Nitroaniline(first revision)	Mar 2013	
46	IS 7645:1994	Phenyl J-acid, technical (first revision)	Mar 2013	
47	IS 7646:1994	Benzoyl J-acid, technical (first revision)	Mar 2013	
48	IS 7647:2003	Acetoacet-2-toluidide (first revision)	Mar 2013	
49	IS 7661:1975	4-Aminoazobenzene	Sep 2011	
50	IS 7686:1975	3(N,N-diethyl) aminophenol	Sep 2011	1
51	IS 7704:1993	4-Aminotoluene-3-sulphonic acid (first revision)	Mar 2013	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

52	IS 8059:1993	2-Chloro-5-aminotoluene-4-sulphonic acid, technical (first revision)	Mar 2013	
53	IS 8111:1986	N,N-Dimethylaniline (first revision)	Sep 2011	2
54	IS 8120:1989	Schaeffer's acid (sodium salt), technical (first revision)	Sep 2011	
55	IS 8193:1976	2-Nitro chlorobenzene	Sep 2011	1
56	IS 8194:1976	3-Nitro chlorobenzene	Sep 2011	1
57	IS 8195:1976	4-Nitro chlorobenzene	Sep 2011	1
58	IS 8196:1976	2,4-Dinitrotoluene	Sep 2011	1
59	IS 8232:1976	2,6-Diaminoanthraquinone, technical	Sep 2011	1
60	IS 8233:1987	Phenyl peri acid, technical (first revision)	Mar 2013	1
61	IS 8397:1976	2-Nitrotoluene	Sep 2011	
62	IS 8398:1976	3-Nitrotoluene	Sep 2011	
63	IS 8399:1976	1,3-Dinitrobenzene	Sep 2011	1
64	IS 8400:1976	2,4-Dinitro chlorobenzene	Sep 2011	1
65	IS 8551:1977	1-(4'-sulphophenyl)-3-methyl-5-pyrazolone	Sep 2011	1
66	IS 8552:1977	1-(4'-sulphophenyl)-3-carboxy -5-pyrazolone	Sep 2011	2
67	IS 8553:1977	1-Phenyl-3-methyl-5-pyrazolone	Sep 2011	
68	IS 8626:1987	R-Salt, technical (first revision)	Mar 2013	
69	IS 8627:1986	Gamma acid (first revision)	Sep 2011	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**

70	IS 8628:1987	G Salt (dipotassium salt), technical (first revision)	Mar 2013	
71	IS 8634:1987	Nitrodiazo acid (first revision)	Mar 2013	
72	IS 8637:1986	H Acid (first revision)	Sep 2011	
73	IS 8861:1978	1,4-Dichloro-2-nitrobenzene	Sep 2011	
74	* IS 8877:1987	Acetoacetic methyl ester (first revision)	Mar 2013	
75	IS 8878:1978	Bromamine acid, technical	Sep 2011	
76	IS 8893:1978	1-(3-Chlorophenyl) -3-methyl-5-pyrazolone	Sep 2011	1
77	IS 8904:1997	Anthraruflin	Mar 2013	
78	IS 8941:1997	Chrysazin	Mar 2013	
79	IS 9270:1979	1,4-Diethoxy benzene	Sep 2011	
80	IS 9274:1979	Beta-Chloroethylamine hydrochloride solution	Sep 2011	
81	IS 9288:1979	Cyanuric chloride	Sep 2011	1
82	IS 10457:1983	N-Methyl J-acid	Sep 2011	1
83	IS 10458:1983	Di-J-acid	Sep 2011	
84	IS 10468:1983	1,3-Phenylenediamine-4-sulphonic acid	Mar 2013	
85	IS 10475:1983	J-acid urea	Mar 2013	
86	IS 11126:1984	3-Toluidine	Sep 2011	1
87	IS 11176:1985	3,3' Dichlorobenzidine salts	Sep 2011	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

88	IS 11177:1985	4,Nitro-2-toluidine	Sep 2011
89	IS 11181:1985	Sulphotobias acid	Sep 2011
90	IS 11540:1986	Michlers ketone	Sep 2011
91	IS 11557:1986	2-Naphthylamine, 3:6:8 trisulphonic acid, technical	Sep 2011
92	IS 12019:1987	2'-Chloro-(4-sulphophenyl)-3-methyl-5-pyrazolone	Mar 2013
93	IS 12618:1989	6-Chloro-2-aminophenol-4 sulphonic acid, technical	Sep 2011
94	IS 12628:1989	2-Amino-4-nitrophenol, technical	Sep 2011
95	IS 12706:1989	Naphthol AS-E	Sep 2011
96	IS 12707:1989	Naphthol AS-D	Sep 2011
97	* IS 13590:1992	Acetoacet-2-anisidide	Mar 2013
98	IS 13841:1993	5-Sulfoanthranilic acid, technical	Mar 2013
99	IS 13842:1993	m-Ureidoaniline, technical	Mar 2013
100	* IS 13843:1993	Acetoacet-3-xylylide	Mar 2013
101	IS 15079:2001	2:4 Dinitroaniline, technical	Sep 2011
102	IS 15080:2001	6-Bromo-2:4 Dinitroaniline, technical	Sep 2011
103	IS 15081:2001	N,N Bishydroxyethyl meta-chloroaniline, technical	Sep 2011
104	IS 15082:2001	N,N Bishydroxyethyl meta-toludine, technical	Sep 2011
105	IS 15131:2002	2,6 Dibromo-4-Nitroaniline	Sep 2011

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS

106	IS 15132:2002	Ortho-Chloro, Para-Nitroaniline	Sep 2011
107	IS 15133:2002	2,6 Dichloro-4-Nitroaniline	Sep 2011
108	IS 15134:2002	2-Nitro-4-methoxy aniline, Technical	Sep 2011

**ASPECT WISE REPORT**

PRODUCT	101
METHODS OF TEST	1
OTHERS	6

**TOTAL : 108**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*  
*/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

**PCD 27 Methods of Test for Plastics Sectional Committee, PCD 27**

**SCOPE** - 'To formulate Indian Standards for terminology, sampling and methods for test for plastics

<b>Sl. No.</b>	<b>IS Number/ DOC Number</b>	<b>Title</b>	<b>Reaffirm Date</b>	<b>Amd.</b>
<b>STANDARDS PUBLISHED</b>				
1	IS 867:1963	Methods of test for phenolic moulding materials (revised)	Aug 2013	
2	IS 1998:1962	Methods of test for thermosetting synthetic resin bonded laminated sheets	Aug 2013	1
3	IS 2221:1962	Methods of test for aminoplastic moulding material	Apr 2010	1
4	IS 2530:1963	Methods of test for polyethylene moulding materials and polyethylene compounds	Aug 2013	
5	* IS 2828:2001 / ISO 472:1999	Plastics - Vocabulary (first revision)	Jun 2011	
6	IS 3434:1984	Glossary of terms for adhesives and pressure sensitive adhesive tapes (first revision)	Apr 2010	
7	* IS 4669:1968	Methods of test for polyvinyl chloride resins	Aug 2013	1
8	IS 7188:1974	Methods of test for cellulose acetate flakes	Apr 2010	
9	IS 7437:1974	Methods of sampling and test for vegetable adhesives	Apr 2010	
10	IS 8402:1987	Methods of sampling and test for pressure sensitive adhesive tapes (first revision)	Apr 2010	
11	IS 8543(Part 1/Sec 1):1978	Methods of testing plastics Part 1 Characterization of polymer structure and size, Section 1 Determination of molecular mass from viscosity	Apr 2010	
12	IS 8543(Part 13/Sec 1):1977	Methods of testing plastics Part 13 Test for specific products Section 1 Buttons (thermosetting) (Superseding IS 1465)	Apr 2010	
13	IS 9591:1996	Plasticizer Esters - Methods of sampling and tests (First Revision)	Aug 2013	

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
 / INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

14	IS 9845:1998	Determination of overall migration of constituents of plastics materials and articles intended to come in contact with foodstuffs - Methods of analysis (second revision)	Apr 2010	
15	IS 11022:1984	Methods of sampling and test for glues (bone, skin/fleshings and fish glues)	Apr 2010	
16	IS 13055:1991	Methods of sampling and test for anaerobic adhesives and sealants	Aug 2013	1
17	* IS 13360(Part 1):1992	Plastics - Methods of Testing Part 1 Introduction	Aug 2013	
18	IS 13360(Part 2/Sec 1):1992	Plastics - Methods of test Part 2 Sampling and preparation of test specimens Sec 1 Compression moulding test specimens of thermoplastics materials	Aug 2013	
19	IS 13360(Part 2/Sec 2):1995 / ISO 295:1991	Plastics - Methods of Testing Part 2 Sampling and Preparation of Test Specimens: Sec 2 Compression moulding of test specimens of thermosetting materials	Aug 2013	1
20	IS 13360(Part 2/Sec 3):2000 / ISO 294-1:1996	Plastics - Methods of testing Part 2 Sampling and preparation of test specimens Section 3 Injection moulded test specimens of thermoplastic materials	Apr 2010	
21	* IS 13360(Part 2/Sec 4):1999 / ISO 2818:1994	Plastics - Methods of testing: Part 2 Sampling and preparation of test specimens Section 4 Preparation of test specimens by machining (first revision)	Apr 2010	
22	IS 13360(Part 2/Sec 5):1997 / ISO 3167:1993	Plastics - Methods of Testing Part 2 Sampling and preparation of test specimens : Sec 5 Multipurpose test specimens	Aug 2013	
23	* IS 13360(Part 2/Sec 7):2000 / ISO 294-3:1996	Plastics - Methods of testing : Part 2 Sampling and preparation of test specimens Section 7 Small plates	Aug 2013	
24	* IS 13360(Part 2/Sec 9):2000 / ISO 294-2:1996	Plastics - Methods of testing Part 2 Sampling and preparation of test specimens : Section 9 Small tensile bars	Apr 2010	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS | INDICATES EQUIVALENT STANDARDS



25	* IS 13360(Part 2/Sec 10):2006 / ISO 10724-1:1998	Plastics - Methods of testing Part 2 Sampling and preparation of test specimens Section 10 : Injection moulding of test specimens of thermosetting powder moulding components (PMCs) - General principles and moulding of multipurpose test specimens	Jun 2011
26	* IS 13360(Part 2/Sec 11):2006 / ISO 10724-2:1998	Plastics - Methods of testing Part 2 Sampling and preparation of test specimens Section 11 : Injection moulding of test specimens of thermosetting powder moulding components (PMCs) Small plates	Jun 2011
27	* IS 13360(Part 3/Sec 1):1995 / ISO 1183:1987	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 1 Determination of density and relative density of non-cellular plastics	Feb 2003
28	IS 13360(Part 3/Sec 2):1997 / ISO 60:1977	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 2 Determination of Apparent Density of material that can be poured from a specified funnel [Superseding IS 8543(Part II/Sec 1):1977]	Aug 2013
29	IS 13360(Part 3/Sec 3):1997 / ISO 61:1976	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 3 Determination of apparent density of moulding material that can not be poured from a specified funnel [Superseding IS 8543(Part II/Sec 2):1977]	Aug 2013
30	* IS 13360(Part 3/Sec 4):1995 / ISO 171:1980	Plastics - Methods of testing Part 3 Physical and dimensional Properties Section 4 Determination of bulk-factor of moulding materials	Aug 2013
31	* IS 13360(Part 3/Sec 5):1995 / ISO 2577:1984	Plastics - Methods of Testing Part 3 Physical and dimensional properties Section 5 Determination of shrinkage and post-shrinkage of thermosetting materials	Feb 2003
32	IS 13360(Part 3/Sec 6):2000 / ISO 4591:1992	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 6 Film and sheeting - Determination of average thickness of a sample and average thickness and yield of a roll by gravimetric techniques (gravimetric thickness)	Jun 2011

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
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33	IS 13360(Part 3/Sec 7):1999 / ISO 1675:1985	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 7 Liquid resins - Determination of density by the pyknometer method	Apr 2010
34	IS 13360(Part 3/Sec 9):1999	Plastics - Methods of testing Part 3 Physical and dimensional properties Section 9 Determination of moisture in plastics by coulometric regeneration of phosphorous pentoxide	Apr 2010
35	* IS 13360(Part 4/Sec 1):1995 / ISO 1133:1991	Plastics - Methods of Testing Part 4 Rheological properties Section 1 Determination of melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics	Aug 2013
36	IS 13360(Part 4/Sec 2):1999	Plastics - Methods of testing Part 4 Rheological properties Section 2 Cup flow of phenolic and alkyd moulding materials	Apr 2010
37	IS 13360(Part 4/Sec 3):2004	Plastics - Methods of testing Part 4 Rheological properties Section 3 Determination of spiral flow of low pressure thermosetting moulding compounds	Apr 2010
38	IS 13360(Part 4/Sec 4):1999	Plastics - Methods of testing Part 4 Rheological properties Section 4 Determination of properties of polymeric materials by means of a capillary rheometer	Apr 2010
39	* IS 13360(Part 4/Sec 5):2000 / ISO 11443:1995	Plastics - Methods of testing Part 4 Rheological properties Section 5 Determination of fluidity of plastics using capillary and slit die rheometers	Apr 2010
40	* IS 13360(Part 5/Sec 1):1996 / ISO 527-1:1993	Plastics - Methods of testing Part 5 : Mechanical properties Section 1 Determination of tensile properties - general principles	Aug 2013
41	* IS 13360(Part 5/Sec 2):1996 / ISO 527-2:1993	Plastics - Methods of Testing Part 5 : Mechanical properties Section 2 Determination of tensile properties - test conditions for moulding and extrusion plastics	Aug 2013
42	IS 13360(Part 5/Sec 3):1999 / ISO 527-3:1995	Plastics - Methods of testing Part 5 Mechanical properties Section 3 Determination of tensile properties - Test conditions for films and sheets	Apr 2010

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43	IS 13360(Part 5/Sec 4):1996	Plastics - Methods of testing Part 5 : Mechanical properties Section 4 Determination of izod impact strength	Aug 2013
	/ ISO 180:1993		
44	* IS 13360(Part 5/Sec 5):1996	Plastics - Methods of Testing Part 5 : Mechanical properties Section 5 Determination of charpy impact strength	Aug 2013
	/ ISO 179:1993		
45	IS 13360(Part 5/Sec 6):1999	Plastics - Methods of testing Part 5 Mechanical properties Section 6 determination of impact resistance by the free-falling dart method - Staircase methods	Apr 2010
	/ ISO 7765-1:1988		
46	* IS 13360(Part 5/Sec 7):1996	Plastics - Methods of testing Part 5: Mechanical properties Section 7 determination of flexural properties	Aug 2013
	/ ISO 178:1983		
47	* IS 13360(Part 5/Sec 8):1996	Plastics - Methods of Testing Par 5: Mechanical properties Section 8 determination of compressive properties	Aug 2013
	/ ISO 604:1993		
48	IS 13360(Part 5/Sec 10):1996	Plastics - Methods of testing Part 5 : Mechanical properties Section10 determination of tear resistance of plastics film and sheeting - Trouser tear method	Aug 2013
	/ ISO 6383/1:1983		
49	IS 13360(Part 5/Sec 11):1992	Plastics - Methods of testing : Part 5 Mechanical properties Section 11 Determination of indentation hardness of plastics by means of duromeer (shore hardness)	Aug 2013
	ISO 868:1985		
50	* IS 13360(Part 5/Sec 12):1992	Plastics - Methods of testing:Part 5 Mechanical properties Section 12 Determination of ball indentation hardness	Aug 2013 1
	ISO 2039-1:78		
51	IS 13360(Part 5/Sec 13):1992	Plastics - Methods of testing Part 5 Mechanical properties Section 13 Determination of rockwell hardness	Aug 2013
	ISO 2039-2:87		
52	IS 13360(Part 5/Sec 14):2001	Plastics - Methods of testing Part 5 Mechanical properties Section 14 Indentation hardness of rigid plastics by means of barcol impressor	Jun 2011
53	IS 13360(Part 5/Sec 19):1999	Plastics - Methods of testing Part 5 Mechanical properties Section 19 Determination of resistance of plastic materials to abrasion	Apr 2010

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54	* IS 13360(Part 5/Sec 22):1999 / ISO 9352:1995	Plastics - Methods of testing Part 5 Mechanical properties Section 22 Determination of resistance to wear by abrasive wheels	Apr 2010
55	IS 13360(Part 5/Sec 23):1996 / ISO 6383-2:1983	Plastics - Methods of Testing Part 5 : Mechanical properties Section 23 Determination of tear resistance of plastics film and sheeting - Elmendorf method	Aug 2013
56	IS 13360(Part 5/Sec 24):1999 / ISO 7765-2:1994	Plastics - Methods of testing Part 5 Mechanical properties Section 24 Determination of impact resistance by the free falling dart method - Instrumental puncture test	Apr 2010
57	IS 13360(Part 5/Sec 25):2004 / ISO 527-4:1997	Plastics - Methods of Testing Part 5 Mechanical Properties - Section 25 - Determination of Tensile Properties - Test Conditions for Isotropic and Orthotropic Fibre-Reinforced Plastic Composites	Apr 2010
58	* IS 13360(Part 5/Sec 26):2004 / ISO 527-5:1997	Plastics - Methods of testing Part 5 Mechanical properties Section 26 Determination of tensile properties - Test conditions for unidirectional fibre-reinforced plastic composites	Apr 2010
59	* IS 13360(Part 6/Sec 1):1999 / ISO 306:1994	Plastics - Methods of testing:Part 6 Thermal properties Section 1 Determination of vicat softening temperature of thermoplastic materials (first revision)	Apr 2010
60	* IS 13360(Part 6/Sec 3):1997 / ISO 75-1:1993	Plastics - Methods of testing Part 6 Thermal properties Section 3 Determination of temperature of deflection under load - General test method	Aug 2013
61	* IS 13360(Part 6/Sec 4):1997 / ISO 1210:1992	Plastics - Methods of Testing Part 6 Thermal properties Section 4 Determination of the burning behaviour of horizontal and vertical specimens in contact with a small-flame ignition source	Aug 2013
62	IS 13360(Part 6/Sec 5):2001	Plastics - Methods of testing Part 6 Thermal properties Section 5 Determination of flammability of plastic materials for parts and devices in appliances	Jun 2011
63	* IS 13360(Part 6/Sec 6):2001 / ISO 4589-1:1996	Plastics - Methods of Testing Part 6 : Thermal properties Section 6 Flammability by oxygen index - Guidance	Jun 2011

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64	IS 13360(Part 6/Sec 9):2001	Plastics - Methods of testing Part 6 Thermal properties Section 9 Density of smoke from the burning or decomposition of plastics	Jun 2011
65	IS 13360(Part 6/Sec 10):1992   ISO 3146:85	Plastics - Methods of testing:Part 6 Thermal properties Section 10 Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers	Aug 2013
66	IS 13360(Part 6/Sec 11):2004 / ISO 974:2000	Plastics - Methods of testing Part 6 Thermal properties Section 11 Determination of Brittleness temperature by impact	Apr 2010
67	IS 13360(Part 6/Sec 14):2004	Plastics - Methods of testing Part 6 Thermal properties Section 14 Standard test methods for coefficient of linear thermal expansion of plastics between -30 deg.C and 30 deg. C with a vitrous silica dilatometer	Apr 2010
68	* IS 13360(Part 6/Sec 17):1997 / ISO 75-2:1993	Plastics - Methods of testing Part 6 Thermal properties Section 17 Determination of temperature of deflection under load - Plastics and ebonite	Aug 2013
69	* IS 13360(Part 6/Sec 18):1997 / ISO 75-3:1993	Plastics - Methods of testing Part 6 Thermal properties Section 18 Determination of temperature of deflection under load - High strength thermosetting laminates and long-fibre-reinforced plastics	Aug 2013
70	IS 13360(Part 6/Sec 19):2001 / ISO 4589-2:1996	Plastics - Methods of testing Part 6 Thermal properties Section 19 Flammability by oxygen index - Ambient temperature test	Jun 2011
71	IS 13360(Part 6/Sec 20):2001 / ISO 4589-3:1996	Plastics - Methods of testing Part 6 Thermal properties Section 20 Flammability by oxygen index - Elevated temperature test	Jun 2011
72	* IS 13360(Part 6/Sec 21):2004 / ISO 871:1996	Plastics - Methods of testing Part 6 Thermal properties Section 21 - Determination of ignition temperature using a hot-air furnace.	Apr 2010
73	IS 13360(Part 6/Sec 22):2006 / ISO 2578:1993	Plastics-Methods of testing Part 6 Thermal properties Section 22 - Determination of time-temperature limits after prolonged exposure to heat	Jun 2011

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74	* IS 13360(Part 6/Sec 23):2006 / ISO 9773:1998	Plastics - Methods of testing Part 6 Thermal properties Section 23 - Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source.	Jun 2011
75	IS 13360(Part 7/Sec 1):1996 / ISO 3915:1981	Plastics - Methods of testing Part 7 Electrical properties Section 1 Measurement of resistivity of conductive plastics	Aug 2013
76	* IS 13360(Part 8/Sec 1):1997 / ISO 62:1980	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 1 Determination of water absorption	Aug 2013
77	* IS 13360(Part 8/Sec 3):1997 / ISO 175:1981	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 3 Determination of the effects of liquid chemicals, including water	Aug 2013
78	* IS 13360(Part 8/Sec 4):1997 / ISO 176:1988	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 4 Determination of loss of plasticizers - Activated carbon method	Aug 2013
79	IS 13360(Part 8/Sec 5):1997 / ISO 177:1988	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 5 Determination of migration of plasticizers	Aug 2013
80	IS 13360(Part 8/Sec 6):1997 / ISO 2556:1974	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 6 Determination of gas transmission rate of films and thin sheets under atmospheric pressure - Manometric method	Aug 2013
81	* IS 13360(Part 8/Sec 8):2000 / ISO 3451-1	Plastics -- Determination of ash -- Part 1: General methods	
82	** IS 13360(Part 8/Sec 9):1997 / ISO 4599:1986	Plastics - Methods of Testing Part 8 permanence/ chemical properties Section 9 Determination of resistance to environmental stress cracking (ESC) - Bent strip method	Aug 2013
83	** IS 13360(Part 8/Sec 11):1999 / ISO 6252:1992	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 11 Environmental stress-cracking - Constant tensile stress method	Apr 2010

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84	* IS 13360(Part 8/Sec 13):2004 / ISO 4582:1998	Plastics - Methods of testing Part 8 Permanence/chemical properties Section 13 - Determination of changes in colour and variation in properties after exposure to day light under glass, natural weathering or laboratory light sources	Apr 2010
85	* IS 13360(Part 8/Sec 14):2005 / ISO 4611:1987	Plastics - Methods of testing Part 8 Permanence/ Chemical Properties Section 14 Determination of the Effects of Exposure to Damp Heat, Water Spray and Salt Mist	Apr 2010
86	IS 13360(Part 9/Sec 1):2004 / ISO 489:1999	Plastics - Methods of testing Part 9 Optical properties Section 1 : Determination of Refractive index	Apr 2010
87	IS 13360(Part 9/Sec 5):1999	Plastics - Methods of testing part 9 Optical properties Section 5 Determination of haze and luminous transmittance of transparent plastics	Apr 2010
88	IS 13360(Part 9/Sec 7):2001	Plastics - Methods of testing Part 9 Optical properties Section 7 Specular gloss of plastics films and solid plastics	Jun 2011
89	IS 13360(Part 9/Sec 8):2001	Plastics - Methods of testing Part 9 Optical properties Section 8 Transparency of plastic sheeting	Jun 2011
90	IS 13360(Part 9/Sec 9):2001	Plastics - Methods of testing Part 9 Optical properties Section 9 Yellowness index of plastics	Jun 2011
91	IS 13360(Part 10/Sec 4):2001	Plastics - Methods of testing Part 10 Resin (Thermosetting properties) Section 4 Gel time and peak exothermic temperature of reacting thermosetting resins	Jun 2011
92	IS 13360(Part 10/Sec 5):2004 / ISO 119:1977	Plastics methods of testing Part 10 Resin (Thermosetting Properties) Section 5 Phenolformaldehyde Mouldings - Determination of free phenols - Iodometric method	Apr 2010
93	IS 13360(Part 10/Sec 6):2004 / ISO 120:1977	Plastics - Methods of testing part 10 Resin (Thermosetting Properties) Section 6 Phenol- formaldehyde moulding - Determination of free ammonia and ammonium compounds - Calorimetric comparison method	Apr 2010

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94	IS 13360(Part 10/Sec 7):2004 / ISO 308:1994	Plastics - Methods of Testing Part 10 Resin (Thermosetting Properties) Matter (Apparent Resin Content of Material in the Unmoulded State)	Apr 2010
95	IS 13360(Part 11/Sec 1):1999 / ISO 8295:1995	Plastics - Methods of testing Part 11 Special properties Section 1 Film and sheeting - Determination of coefficients of friction	Apr 2010
96	IS 13360(Part 11/Sec 3):2000 / ISO 11502:1995	Plastics - Methods of testing Part 11 Special properties Section 3 Film and Sheetting - Determination of blocking resistance	Apr 2010
97	IS 13360(Part 11/Sec 4):1999	Plastics - Methods of testing Part 11 Special properties Section 4 Determination of gel count of plastics film	Apr 2010
98	IS 13360(Part 11/Sec 5):2001 / ISO 2115:1996	Plastics - Methods of testing Part 11 Special properties Section 5 Determination of white point temperature and minimum film forming temperature	Jun 2011
99	IS 13360(Part 11/Sec 7):1997 / ISO 6427:1992	Plastics - Methods of Testing Part 11 Special properties Section 7 Determination of matter extractable by organic solvents (conventional methods)	Aug 2013
100	IS 13360(Part 11/Sec 9):2004 / ISO 1628-1:1998	Plastics - Methods of testing Part 11 Special properties Section 9 : Determination of viscosity of polymer in dilute solution using capillary viscometers - General principles	Apr 2010
101	IS 13360(Part 11/Sec 10):1999 / ISO 2555:1989	Plastics - Methods of testing Part 11 Special properties Section 10 Resins in the liquid state or as emulsions or dispersions - Determination of apparent viscosity by the brookfield test method	Apr 2010
102	IS 13360(Part 11/Sec 11):1999 / ISO 3219:1993	Plastics - Methods of testing Part 11 Special properties Section 11 polymers/resins in the liquid state or as emulsions or dispersions - Determination of viscosity using a rotational viscometer with defined shear rate	Apr 2010
103	IS 13360(Part 11/Sec 13):2006 / ISO:8570:1991	Plastics - Methods of testing Part 11 Special properties Section 13 Film and sheeting - Determination of cold-crack temperature	Jun 2011

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104	IS 13360(Part 11/Sec 14):2006 / ISO 11501:1995	Plastics - Methods of testing Part 11 Special Properties Section 14 : Film and sheeting - Determination of dimensional change on heating.	Jun 2011
105	IS 13360(Part 11/Sec 15):2006 / ISO 12058:1997	Plastics-Methods of testing Part 11 Special properties Section 15 : Determination of viscosity using a falling ball viscometer - Inclined tube method	Jun 2011
106	IS 13360(Part 8/Sec 8):2004 / ISO 3451-1:1997	Plastics - Methods of Testing Part 8 Permanence / Chemical Properties Section 8 Determination of Ash - General Methods	Apr 2010
107	IS 14851:1999 / ISO 14851:1999	Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by measuring the oxygen demand in a closed respirometer ISO 14851:1999/Cor 1:2005	Jun 2011
108	IS 14852:2000 / ISO 14852:1999	Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Method by analysis of evolved carbon dioxide ISO 14852:1999/Cor 1:2005	Jun 2011
109	IS 14853:2005 / ISO 14853:2005	Plastics - Determination of the ultimate anaerobic biodegradation of plastic materials in an aqueous system -- Method by measurement of biogas production	Jun 2011
110	* IS 14855(Part 1):2005 / ISO 14855-1:2005	Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method by analysis of evolved carbon dioxide -- Part 1: General method	Jun 2011
111	IS 14855(Part 2):2007 / ISO 14855-2	Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method by analysis of evolved carbon dioxide - Part 2 Gravimetric measurement of carbon dioxide evolved in a laboratory - scale test	Jun 2011
112	* IS 15985:2004 / ISO 15985:2004	Plastics - Determination of the ultimate anaerobic biodegradation and disintegration under high-solids anaerobic- digestion conditions -- Method by analysis of released biogas	Jun 2011

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113	* IS 16929:2002 / ISO 16929:2002	Plastics - Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test	Jun 2011
114	* IS 17556:2003 / ISO 17556:2003	Plastics - Determination of the ultimate aerobic biodegradability in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved	Jun 2011
115	* IS 20200:2004 / ISO 20200:2004	Plastics - Determination of the degree of disintegration of plastic materials under simulated composting conditions in a laboratory-scale test	Jun 2011

**FINALISED DRAFTS UNDER PRINT**

1	DOC.PCD 27(2480)	13360 (Part 2/Sec 2)/ISO 295 : 2004 Plastics - Methods of Testing Part 2 Sampling and Preparation of Test Specimens: Sec 2 Compression moulding of test specimens of thermosetting materials
2	DOC.PCD 27(2481)	13360(Part 2/Sec 5)/ISO 3167 : 2002 Plastics - Methods of Testing Part 2 Sampling and preparation of test specimens : Sec 5 Multipurpose test specimens
3	DOC.PCD 27(2483)	IS 13360(Part 3/Sec 1)/ ISO 1183-1:2004, ISO 1183-2:2004, ISO 1183-3:1999 Plastics - Methods of testing Part 3 Physical and dimensional properties, Section 1 Determination of density and relative density of non-cellular plastics
4	DOC.PCD 27(2484)	IS 13360 (Part 3/Sec 5)/ISO 2577 : 2007 Plastics - Methods of testing Part 3 Physical and dimensional properties, Section 5 Determination of shrinkage and post-shrinkage of thermosetting materials
5	DOC.PCD 27(2485)	IS 13360 (Part 4/Sec 1)/ISO 1133:2005 Plastics - Methods of testing Part 4 Rheological properties, Section 1 Determination of melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics

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6	DOC.PCD 27(2488)	IS 13360(Part 5/Sec 4)/ISO 180 : 2000 Plastics - Methods of testing : Part 5 Mechanical properties, Section 4 Determination of izod impact strength
7	DOC.PCD 27(2490)	Plastics-Methods of Testing Part 5 Mechanical properties Section 7 Determination of flexural properties [ISO 178:2001]
8	DOC.PCD 27(2491)	IS13360 (Part 5/Sec 8)/ISO 604: 2002 Plastics - Methods of testing: Part 5 Mechanical properties, Section 8 Determination of compressive properties
9	DOC.PCD 27(2492)	IS 13360(Part 5/Sec 11)/ISO 868: 2003 Plastics - Methods of testing : Part 5 Mechanical properties, Section 11 Determination of indentation hardness of plastics by means of durometer (shore hardness)
10	DOC.PCD 27(2494)	IS 13360(Part 6/Sec 3)/ISO 75-1:2004 Plastics - Methods of testing Part 6 Thermal properties, Section 3 Determination of temperature of deflection under load - General test method
11	DOC.PCD 27(2497)	IS 13360(Part 6/Sec 17)/ISO 75-2:2004 Plastics - Methods of testing Part 6 Thermal properties, Section 17 Determination of temperature of deflection under load – Plastics and ebonite
12	DOC.PCD 27(2498)	IS 13360(Part 6/Sec 18)/ISO 75-3:2004 Plastics - Methods of testing Part 6 Thermal properties, Section 18 Determination of temperature of deflection under load – High strength thermosetting laminates and long- fibre-reinforced plastics
13	DOC.PCD 27(2499)	Plastics - Methods of testing Part 8 Permanence/Chemical properties Section 1 Determination of water absorption [IS 13360(Part 8/Sec 1)/ISO 62:2008]
14	DOC.PCD 27(2502)	Methods of testing Part 6 Thermal properties, Section 10 Determination of melting behaviour (melting temperature or melting range) of semi- crystalline polymers

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15 DOC.PCD 27(2524) IS 13360(Part 8/Sec 3)/ISO 175:1999 Plastics -  
Methods of testing Part 8  
permanence/chemical properties Section 3  
Determination of the effects of liquid  
chemicals, including water

**ASPECT WISE REPORT**

METHODS OF TEST	113
TERMINOLOGY	2

**TOTAL : 115**

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**PCD 28 Sports Goods Sectional Committee, PCD 28**

**SCOPE** - To formulate Indian Standards for terminology; methods of sampling and test; specifications for sports goods including Gymnasium equipment and physical fitness equipment

<b>Sl. No.</b>	<b>IS Number/ DOC Number</b>	<b>Title</b>	<b>Reaffirm Date</b>	<b>Amd.</b>
<b>STANDARDS PUBLISHED</b>				
1	IS 415:2002	Shuttlecocks (second revision)	Sep 2012	
2	IS 416:1983	Hockey balls (third revision)	Sep 2012	
3	IS 417(Part 1):2003	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls: Part I Footballs (fourth revision)	Sep 2012	
4	* IS 417(Part 2):1986	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls: Part 2 Volleyballs (fourth revision)	Sep 2012	
5	** IS 417(Part 3):1986	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls: Part 3 Basketballs (fourth revision)	Sep 2012	
6	IS 417(Part 4):1976	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls:Part IV Netballs (third revision)	Sep 2012	1
7	IS 417(Part 5):1976	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls: Part V Throwballs (third revision)	Sep 2012	1
8	IS 417(Part 6):1976	Footballs, volleyballs, basket balls, netballs, throwballs and water-polo balls:Part VI Water-polo balls (third revision)	Sep 2012	1
9	IS 828:1979	Cricket bats (second revision)	Sep 2012	1
10	IS 829:1978	Hockey sticks (second revision)	Sep 2012	1
11	IS 2216:1985	Tennis balls (first revision)	Sep 2012	
12	IS 2459:1982   ISO 379:1980	Horizontal bars used in gymnastics (first revision)	Sep 2012	

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13	* IS 2460:1981	Pommel horse, vaulting horse and vaulting buck used in gymnastics (first revision)	Sep 2012	
14	IS 2461:1963	Balancing beams used in gymnastics	Sep 2012	
15	IS 2462:1981	Parallel bars used in gymnastics (first revision)	Sep 2012	
16	ISO 378:1980 IS 2463:1981	Rings used in gymnastics (first revision)	Sep 2012	
17	IS 2578:1978	Squash racket frames (first revision)	Sep 2012	1
18	IS 2719:1964	Carrom boards	Sep 2012	
19	IS 2746:1964	Spring boards	Sep 2012	
20	IS 3345:1989	Sports nets (first revision)	Sep 2012	
21	IS 3659:1993	Table tennis balls (first revision)	Sep 2012	
22	IS 3785:1983	Wicket keeping gloves (first revision)	Sep 2012	
23	IS 3800:1983	Batting gloves (first revision)	Sep 2012	
24	IS 3874:1987	Boxing gloves (first revision)	Sep 2012	
25	IS 3923:1983	Leg-guards for cricket batsmen and wicket-keepers (first revision)	Sep 2012	
26	IS 4141:1988	Table tennis rackets (second revision)	Sep 2012	
27	IS 4142:1967	Discus	Sep 2012	3
28	IS 4143:1967	Carrom-draughts	Sep 2012	
29	IS 4144:1967	Carrom-strikers	Sep 2012	

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30	IS 4385:1988	Throwing hammers (first revision)	Sep 2012
31	IS 4386:1988	Putting shots (first revision)	Sep 2012
32	IS 4387:1967	Asymmetric bars	Sep 2012
33	IS 4613:1993	Javelins (first revision)	Sep 2012
34	IS 4614:1988	Hurdles (first revision)	Sep 2012
35	IS 4630:1968	Barbell set	Sep 2012
36	IS 4979:1993	Table-tennis table (first revision)	Sep 2012
37	IS 4980:1968	Clubs, Indian	Sep 2012
38	IS 5172:1969	Balancing bench	Sep 2012
39	IS 5173:1979	Wall bars (first revision)	Sep 2012
40	IS 5196:1969	Chest expander	Sep 2012
41	IS 5214:1969	Jumping and vaulting standards	Sep 2012
42	IS 5458:1969	Rounders ball	Sep 2012
43	IS 5459:1969	Base balls	Sep 2012
44	IS 5460:1969	Soft balls	Sep 2012
45	IS 5535:1969	Rugby ball	Sep 2012
46	IS 5739:1970	Track and field equipment (sports goods for schools)	Sep 2012
47	IS 6479:1972	Balls, punching	Sep 2012

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48	IS 6599:1972	Vaulting boxes	Sep 2012
49	IS 6621:1985	Cricket stumps and bails (first revision)	Sep 2012
50	IS 6783:1986	Basketball frames (first revision)	Sep 2012
51	IS 6869(Part 1):1973	Playground equipment for parks: Part I General requirements	Sep 2012
52	IS 6869(Part 2):1973	Playground equipment for parks: Part II Horizontal bars	Sep 2012
53	IS 6869(Part 3):1973	Playground equipment for parks: Part III Horizontal ladders	Sep 2012
54	IS 6869(Part 4):1973	Playground equipment for parks: Part IV Jungle gyms (or castle climbers)	Sep 2012
55	IS 6869(Part 5):1973	Playground equipment for parks: Part V Parallel bars	Sep 2012
56	IS 6869(Part 6):2002	Playground equipment for park - Part 6 Swings	Sep 2012
57	IS 6974:1973	Abdomen guards for sports use	Sep 2012
58	IS 6978:2002	Chess equipment (first revision)	Sep 2012
59	IS 8012:1976	Spring dumb-bells	Sep 2012
60	IS 8404(Part 1):1977	Fixed playground equipment for schools: Part I General requirements	Sep 2012
61	IS 8404(Part 2):1979	Fixed playground equipment for schools: Part II Climbing ropes	Sep 2012
62	IS 8594:1977	Ball, medicine	Sep 2012
63	IS 9195(Part 1):1979	Gymnasium equipment: Part 1 General requirements	Sep 2012
64	IS 10771:1983	Leg guards for hockey goal keepers	Sep 2012
65	IS 10800:1983	Cricket balls	Sep 2012

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66	IS 10830:1984 / ISO 5903:1981	Gymnastic equipment-Landing mats and surfaces for floor exercises-Determination of hardness and impact damping	Sep 2012
67	IS 10831:1984 / ISO 5905:1980	Gymnastic equipment-Landing mats (2000 mm x 1250 mm x 60 mm) (supersedes IS 5174:1969)	Sep 2012
68	IS 10832:1984 / ISO 5906:1980	Gymnastic equipment-Surfaces for floor exercises-Mats	Sep 2012
69	IS 10833:1984 / ISO 5907:1980	Gymnastic equipment-Surfaces for floor exercises-Boards	Sep 2012
70	IS 10888:1984 / ISO 5904:1981	Method for determination of resistance to slipping of gymnastic landing mats and surfaces for floor exercises	Sep 2012
71	IS 11588:1986	Beating boards	Sep 2012
72	IS 11589:1986	Jump stands	Sep 2012
73	IS 11729:1986	Handballs	Sep 2012
74	IS 11974:1987	Badminton metallic racket frames	Sep 2012
75	IS 12425:1988	Dimensions for steeplechase hurdles	May 2000

#### ASPECT WISE REPORT

PRODUCT	69
METHODS OF TEST	2
DIMENSION	1
OTHERS	3

**TOTAL : 75**

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
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**PCD 29 Methods of Test for Rubber and Rubber Products Sectional Committee**  
**SCOPE - To formulate Indian Standards for methods of sampling and test of rubber and rubber products**

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	Amd.
<b>STANDARDS PUBLISHED</b>				
1	IS 443:1975	Methods of sampling and test for rubber hoses (second revision)	Apr 2012	2
2	IS 3400(Part 1):2012 / ISO 37:2012	Methods of test for vulcanized rubbers: Part 1 Tensile stress-strain properties(third revision)		
3	** IS 3400(Part 2):2003 / ISO 48:1994	Methods of test for vulcanized rubbers: Part 2 Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD) (third revision)	Jun 2013	
4	IS 3400(Part 3):1987	Methods of test for vulcanized rubbers: Part 3 Abrasion resistance using a rotating cylindrical drum device (first revision)	Jun 2013	
5	IS 3400(Part 4):2012 / ISO 188:2011	Methods of test for vulcanized rubbers: Part 4 Accelerated ageing (second revision)		
6	IS 3400(Part 5):1986	Methods of test for vulcanized rubbers: Part 5 Adhesion of rubbers to textile fabrics (second revision)	Jun 2013	1
7	IS 3400(Part 6):2012 / ISO 1817:2011	Methods of test for vulcanized rubbers: Part 6 Determination of effect of liquids (third revision)		
8	IS 3400(Part 7):1985	Methods of test for vulcanized rubbers: Part 7 Resistance to flex-cracking (first revision)	Apr 2012	
9	IS 3400(Part 8):1983	Methods of test for vulcanized rubbers: Part 8 Resistance to crack growth (first revision)	Apr 2012	
10	** IS 3400(Part 9):2003 / ISO 2781:1988	Methods of test for vulcanized rubbers: Part 9 Density (second revision)	Feb 2011	
11	IS 3400(Part 10):1977	Methods of test for vulcanized rubbers: Part X Compression set at constant strain (first revision)	Jun 2013	
12	IS 3400(Part 11):1985	Methods of test for vulcanized rubbers: Part 11 Determination of rebound resilience (first revision)	Apr 2012	

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13	IS 3400(Part 12):1971	Methods of test for vulcanized rubbers: Part 12 Tear strength-crescent test piece	Jun 2013	
14	IS 3400(Part 13):1983	Methods of test for vulcanized rubbers: Part 13 Tension Set (first revision)	Jun 2013	
15	IS 3400(Part 14):1984	Methods of test for vulcanized rubbers: Part 14 Adhesion of rubber to metal (first revision)	Jun 2013	
16	IS 3400(Part 15):1971	Methods of test for vulcanized rubbers: Part 15 Volume resistivity of electrically conducting and antistatic rubbers	Jun 2013	
17	IS 3400(Part 16):1974	Methods of test for vulcanized rubbers: Part 16 Measurement of cut growth of rubber by the use of rose flexing machine	Apr 2012	
18	IS 3400(Part 17):1974	Methods of test for vulcanized rubbers: Part XVII Tear strength-angular test piece	Jun 2013	
19	IS 3400(Part 18):1995	Methods of test for vulcanized rubbers: Part 18 Stiffness at low temperature (Gehman test) (first revision)	Apr 2012	
20	IS 3400(Part 19):1976	Methods of test for vulcanized rubbers: Part 19 Permeability to gases (constant volume method)	Jun 2013	1
21	IS 3400(Part 20):1994 / ISO 1431-1:1989	Methods of test for vulcanized rubbers: Part 20 Resistance to ozone cracking - Static strain test (first revision)	Jun 2013	
22	IS 3400(Part 21):1980	Methods of test for vulcanized rubbers: Part 21 Determination of permeability to gases-constant pressure method	Jun 2013	
23	IS 3400(Part 22):1984	Methods of test for vulcanized rubbers: Part 22 Chemical analysis	Jun 2013	
24	IS 3400(Part 23):2002 / ISO 7619:1997	Method of test for vulcanized rubbers part 23 - Determination of indentation hardness by means of pocket hardness meters	Apr 2012	
25	IS 3400(Part 24):2012 / ISO 8033:2006	Methods of test for vulcanized rubber part 24 : Rubber and plastics hose - Determination of Adhesion between components (first revision)		
26	IS 3660(Part 1):1999	Methods of test for natural rubber: Part 1 Determination of dirt (NR:1) (third revision) [Superseded a portion of IS 3660(Part 51):1972]	Jun 2013	

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
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27	** IS 3660(Part 2):1985	Methods of test for natural rubber: Part 2 Determination of volatile matter (NR:2) (second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	1
28	IS 3660(Part 3):1988	Methods of test for natural rubber Part 3 Determination of ash (NR:3) (second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	
29	IS 3660(Part 4):1988	Methods of test for natural rubber: Part 4 Determination of total copper (NR:4)(second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	
30	IS 3660(Part 5):1989	Methods of test for natural rubber:Part 5 Determination of Manganese (NR:5) (second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	
31	* IS 3660(Part 6):1988	Methods of test for natural rubber: Part 6 Determination of rubber hydrocarbon (NR:7) (second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	
32	IS 3660(Part 7):1988	Methods of test for natural rubber: Part 7 Determination of Mooney Viscosity (NR:8) (second revision) [Supersedes a portion of IS 3660(Part 51):1972]	May 2009	
33	** IS 3660(Part 8):1999	Methods of test for natural rubber part 8 mixing and vulcanizing of rubber in standard compound [NR:9] (second revision)	May 2009	
34	** IS 3660(Part 9):1989	Methods of test for natural rubber: Part 9 Determination of solvent extract (NR:10) (first revision) [Supersedes a portion of IS IS 3660(Part 52):1968]	May 2009	
35	IS 3660(Part 10):2000	Methods of test for natural rubber: Part 10 Determination of nitrogen content (NR:11 ) (first revision) [Supersedes a portion of IS 3600 (part 52):1968]	Jun 2013	
36	** IS 3660(Part 11):1989	Methods of test for natural rubber: Part 11 Determination of Plasticity (NR:12)(first revision) [Supersedes IS 3660(Part III):1971]	May 2009	
37	** IS 3660(Part 12):1989	Methods of test for natural rubber: Part 12 Determination of plasticity retention index (PRI) [NR:13] (first revision) [Supersedes IS 3660(Part III):1971]	May 2009	

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38	IS 3660(Part 13):1997	Methods of test for natural rubber: Part 13 Determination of colour (NR:14) (first revision)	May 2009	
39	IS 3708(Part 1):2013 / ISO 126:2005	Methods of test for natural rubber latex: Part 1 Determination of dry rubber content (NRL:1) (second revision)	May 2009	1
40	IS 3708(Part 2):1985	Methods of test for natural rubber latex: Part 2 Determination of sludge content (NRL:5) (first revision)	May 2009	
41	** IS 3708(Part 3):2009 / ISO 705:1994	Methods of test for natural rubber latex: Part 3 Determination of density (NRL:6) (second revision)		
42	** IS 3708(Part 4):2009 / ISO 125:2003	Methods of test for natural rubber latex: Part 4 Determination of total alkalinity (NRL:7) (second revision)		
43	IS 3708(Part 5):2005 / ISO 127:1995	Methods of test for natural rubber latex: Part 5 Determination of KOH - number (second revision)	May 2009	
44	** IS 3708(Part 6):1985	Methods of test for natural rubber latex: Part 6 Determination of mechanical stability (NRL:9) (first revision)	May 2009	
45	IS 3708(Part 7):2005 / ISO 506:1992	Methods of test for natural rubber latex: Part 7 Determination of volatile fatty acid number (second revision) [Supersedes IS 3708(Part I):1966]	May 2009	
46	* IS 3708(Part 8):2005 / ISO 1656:1996	Methods of test for natural rubber latex: Part 8 Determination of total nitrogen (NRL:12) (second revision) [Supersedes IS 3708(Part I):1966]	May 2009	
47	** IS 3708(Part 9):2005 / ISO 247:1990	Methods of test for natural rubber latex: Part 9 Determination of total ash (second revision) [Supersedes IS 3708(Part I):1966]	Feb 2011	
48	IS 3708(Part 10):1986	Methods of test for natural rubber latex: Part 10 Determination of boric acid (NRL:17) (first revision) [Supersedes IS 3708(Part II):1968]	Jun 2013	
49	IS 3708(Part 11):2001	Methods of test for natural rubber latex: Part 11 Determination of magnesium (Direct Titration Method) (NRL:18) (second revision) [Supersedes IS 3708(Part II):1968]	Apr 2012	

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50	IS 4511(Part 1):1986	Methods of test for styrene-butadiene rubber (SBR) latices: Part 1 Determination of dry polymer content (first revision) [Supersedes IS 4511(Part I):1967]	Jun 2013	
51	IS 4511(Part 2):1986	Methods of test for styrene butadiene rubber (SBR) Latices:Part 2 Determination of density SBRL: 6 (first revision) [Supersedes IS 4511(Part I):1967]	Jun 2013	
52	IS 4511(Part 3):1987	Methods of test for Styrene butadiene rubber (SBR) latices: Part 3 Determination of volatile unsaturates [SBR:8] (first revision) [Supersedes IS 4511(Part I):1967]	Jun 2013	
53	IS 4511(Part 4):1986	Methods of test for styrene-butadiene rubber (SBR) latices: Part 4 Determination of Bound styrene (SBR: 9) (first revision) [Supersedes IS 4511(Part I):1967]	Jun 2013	
54	** IS 4511(Part 5):2005 / ISO 7781:2001	Methods of test for styrene-butadiene rubber (SBR) latices Part 5 Determination of soap and organic-acid content (second revision) [Supersedes IS 4511(Part I):1967]	Jun 2013	
55	IS 4511(Part 6):1987	Methods of test for styrene-butadiene rubber (SBR) latices: Part 6 Determination of High-speed mechanical stability (SBRL:11)	Jun 2013	
56	IS 4518(Part 1):1967	Methods of test for styrene-butadiene rubbers(SBR) Part I Determination of volatile matter, total ash, organic acid, soap, antioxidants, bound styrene and mooney viscosity	Jun 2013	
57	IS 4518(Part 2):1971	Methods of test for styrene-butadiene rubbers: Part II Determination of solvent extract and oil content	Jun 2013	
58	IS 5599:1999	Rubber - Raw, natural and synthetic - Methods for sampling and sample preparation (first revision)	Jun 2013	
59	IS 6306:1971	Methods of test for reclaimed rubber	Jun 2013	2
60	IS 7016(Part 1):1982	Methods of test for coated and treated fabrics Part 1 Roll characteristics (first revision)	Jun 2013	

\* INDICATES STANDARDS UNDER REVISION \*\* INDICATES STANDARDS TO BE REVISED  
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61	IS 7016(Part 2):1981	Methods of test for coated and treated fabrics Part 2 Determination of breaking strength and extension at break (first revision)	Jun 2013	
62	IS 7016(Part 3):1981	Methods of test for coated and treated fabrics: Part 3 Tear strength (first revision)	Jun 2013	1
63	IS 7016(Part 4):2003 / ISO7854:1995	Methods of test for coated and treated fabrics - Determination of resistance to damage by flexing (second revision)	May 2009	
64	** IS 7016(Part 5):2003 / ISO 2411:1991	Method of test for coated and treated fabrics : (Part 5) Determination of coating adhesion strength (second revision)	Feb 2011	
65	IS 7016(Part 6):1984	Methods of test for coated and treated fabrics: Part 6 Bursting strength (first revision)	Jun 2013	1
66	IS 7016(Part 7):2009 / ISO 1420:2001	Methods of test for coated and treated fabrics: Part 7 Determination of resistance to penetration by water (second revision)		
67	IS 7016(Part 8):1975	Methods of test for coated and treated fabrics: Part 8 Accelerated ageing	Apr 2012	
68	IS 7016(Part 9):2003 / ISO 5978:1990	Methods of test for coated and treated fabrics: Part 9 Rubber or plastics coated fabrics - Determination of blocking resistance (second revision)	May 2009	
69	IS 7016(Part 10):1997 / ISO 4675:1990	Methods of test for coated and treated fabrics: Part 10 Rubber or plastics coated fabrics - Low temperature bend test (first revision)	Jun 2013	
70	IS 7016(Part 11):1987	Methods of test for coated and treated fabrics: Part 11 Determination of flexibility - Flat loop method	Apr 2012	
71	IS 7016(Part 12):1987	Methods of test for coated and treated fabrics: Part 12 Determination of tack-tear resistance	Apr 2012	
72	IS 7016(Part 13):2003 / ISO 5473:1997	Methods of test for coated and treated fabrics: Part 13 Rubber or plastics-coated fabrics - Determination of crush resistance (first revision)	May 2009	

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73	IS 7016(Part 14):2003 / ISO 4646:1989	Methods of test for coated and treated fabrics: Part 14 - Rubber or plastics-coated fabrics - Low temperature impact test (first revision)	May 2009	
74	IS 7086(Part 1):1973	Methods of sampling and test for rubber compounding ingredients, Part I	Apr 2012	1
75	IS 7498:1985	Methods of sampling and test for carbon black (first revision)	Apr 2012	
76	IS 7888:1976	Methods of test for flexible polyurethane foam	Jun 2013	
77	IS 8683:1977	Methods of test for raw acrylonitrile butadiene rubber	Jun 2013	
78	IS 9316(Part 1):1987	Methods of test for rubber latex: Part 1 Determination of surface tension (RL:1) (first revision)	Jun 2013	
79	IS 9316(Part 2):1987	Methods of test for rubber latex: Part 2 Determination of viscosity (RL:2) (first revision)	Jun 2013	1
80	IS 9316(Part 3):1987	Methods of test for rubber latex: Part 3 Determination of coagulum content (Sieve Residue) (RL:3) (first revision)	Jun 2013	1
81	IS 9316(Part 4):1988	Methods of test for rubber latex: Part 4 Determination of total solids content(RL:4) (first revision)	May 2009	
82	IS 9316(Part 5):1988	Methods of test for rubber latex: Part 5 Drawing of samples (RL:5) (first revision)	May 2009	
83	** IS 9316(Part 6):1988	Methods of test for rubber latex: Part 6 Determination of pH (RL:6) (first revision)	May 2009	
84	IS 9316(Part 7):1987	Methods of test for rubber latex: Part 7 Determination of total copper (RL:7)	Jun 2013	
85	IS 9316(Part 8):1987	Methods of test for rubber latex: Part 8 Determination of total iron (RL:8)	Jun 2013	
86	IS 9316(Part 9):1987	Methods of test for rubber latex: Part 9 Determination of total manganese (RL:9)	Jun 2013	
87	IS 10016(Part 1):1981	Methods of test for polybutadiene rubbers: Part 1 Method of taking out test portion from sample bales	Jun 2013	

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88	IS 10016(Part 2):1984	Methods of test for polybutadiene rubbers: Part 2 Determination of ash	Jun 2013
89	IS 10016(Part 4):1984	Methods of test for polybutadiene rubbers: Part 4 Determination of CIS, Trans and Vinyl Structure	Jun 2013
90	IS 10016(Part 5):1981	Methods of test for polybutadiene rubbers: Part 5 Determination of gel content	Jun 2013
91	IS 10016(Part 6):2000	Methods of test for Polybutadiene Rubbers Part 6: Evaluation of vulcanization characteristics of polybutadiene rubbers (BR:2)	May 2009
92	IS 11720(Part 1):1986	Methods of test for synthetic rubber: Part 1 Determination of antioxidants (SR:1) [Supersedes a portion of IS 4518(Part I):1967]	Feb 2011
93	IS 11720(Part 2):2013 / ISO 3417:1991	Methods of test for synthetic rubber: Part 2 Measurement of vulcanization characteristics with oscillating disc curemeter (first revision)	
94	IS 11720(Part 3):1993	Methods of test for synthetic rubber: Part 3 Determination of Mooney Viscosity	Jun 2013
95	IS 11720(Part 4):1993	Methods of test for synthetic rubber Part 4 : Determination of volatile matter	Jun 2013
96	IS 11720(Part 5):1993	Methods of test for synthetic rubber Part 5 : Determination of ash	Jun 2013
97	IS 11720(Part 6):2001	Methods of test for synthetic rubbers Part 6 - Determination of solvent extract.	Apr 2012
98	IS 11720(Part 11):2001 / ISO 7781:1996	Method of test for synthetic rubber Pt 11 Rubber, raw, styrene - Butadiene - Determination of soap and organic acid content.	Apr 2012
99	IS 11720(Part 13):2001	Methods of test for synthetic rubber Part 13 : Determination of gel content	Apr 2012
100	** IS 12656:1989 / ISO 1746:1983	Rubber or plastics hoses and tubing - Bending tests	Apr 2012
101	** IS 12657:1989 / ISO 4672:1988	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	Apr 2012

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102	IS 13867:1993	Rubber standard temperatures, humidities and times for the conditioning and time interval between vulcanization and testing of test pieces	Jun 2013
103	** IS 14789:2000 / ISO 5478:1990	Rubber - Determination of styrene content - Nitration methods	May 2009
104	IS 15913:2010 / ISO 4671:2007	Rubber and plastic hoses and hose assemblies - Methods of measurement of the dimensions of hoses and the lengths of hose assemblies	
105	IS 16209:2014 / ISO 7233:2006	Rubber and Plastics Hoses and Hose Assemblies - Determination of Resistance to Vacuum	

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

1	DOC.PCD 29(2540)	Draft Indian Standard on 'Methods of test for rubber latex Part 4 Determination of total solids content [Second Revision of IS 9316(Part 4)] and adoption of ISO 124:2008'	
2	DOC.PCD 29(2543)	Draft Indian Standard on 'Methods of Test for Natural Rubber Part 2: Determination of Volatile Matter [Third Revision of IS 3660 (Part 2)] and adoption of ISO 248:2005'	
3	DOC.PCD 29(2610) / ISO 2781:2009	Method of test for vulcanized rubbers: Part 9 Rubber, vulcanized or thermoplastic - Determination of density [Third revision of IS 3400 (Part9)]	
4	DOC.PCD 29(2612) / ISO 7781:2008	Method of test for styrene-butadiene: Part 5 Determination of soap and organize-acid content [Third Revision of IS 4511 (Part 5)]	
5	DOC.PCD 29(2613) / ISO 2411:2008	Method of test for coated fabrics: Part 5 Rubber – or plastic-coated fabrics - Determination of coating adhesion [Third Revision of IS 7016(Part 5)]	
6	DOC.PCD 29(2624) / ISO 1402:2009	Rubber and plastics hoses and hose assemblies -- Hydrostatic testing	
7	DOC.PCD 29(2625) / ISO 6801 : 1983	Rubber or plastics hoses -- Determination of volumetric expansion	
8	DOC.PCD 29(2626) / ISO 7326 : 2006	Rubber and plastics hoses -- Assessment of ozone resistance under static conditions	

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9	DOC.PCD 29(2627) / ISO 7233:2006	Rubber and plastics hoses and hose assemblies -- Determination of resistance to vacuum
10	DOC.PCD 29(2629) / ISO 8031:2009	Rubber and plastics hoses and hose assemblies -- Determination of electrical resistance and conductivity
11	DOC.PCD 29(2631) / ISO 10619-1 : 2011	Rubber or plastics hoses and tubing - Bending tests (First revision of IS 12656)
12	DOC.PCD 29(2632) / ISO 10619-2 : 2011	Rubber and plastics hoses - Sub-ambient temperature flexibility tests (First revision of IS 12656)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 29(2706) / ISO 1407:2011	Rubber - Determination of solvent extract [second revision of IS 3660 (Part 9)]
2	DOC.PCD 29(2707) / ISO 2930:2009	Rubber, raw material - Determination of plasticity retention index (PRI) [second revision of IS 3660 (Part 12)]
3	DOC.PCD 29(2708) / ISO 2007:2007	Rubber, unvulcanized - Determination of plasticity - Rapid- plastimeter method [second revision of IS 3660 (Part 11)]
4	DOC.PCD 29(2709) / ISO 7780:2009	Rubber and rubber lattices - Determination of manganese content - Sodium periodate photometric methods [third revision of IS 3660 (Part 5)]
5	DOC.PCD 29(2710) / ISO 8053:1995	Rubber and latex - Determination of copper content - photometric method [third revision of IS 3660 (Part 4)]
6	DOC.PCD 29(2716) / ISO 976:1996	Methods of test for rubber latex - Part 6: Determination of pH[second revision of IS 9316(Part 6)]
7	DOC.PCD 29(2717) / ISO 5478:2006	Rubber - Determination of Styrene Content Nitration Method [first revision of IS 14789:2000]
8	DOC.PCD 29(2807) / ISO 125 : 2011	Methods of Test for Natural Rubber Latex - Part : 4 Natural rubber latex concentrate - Determination of alkalinity [Second Revision of IS 3708 (Part 4)]

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
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9	DOC.PCD 29(2808) / ISO 1421: 1998	Methods of test for coated and treated fabrics Part 2 Determination of breaking strength and extension at break [Second revision IS 7016 (Part 2)]
10	DOC.PCD 29(2809) / ISO 2286-1: 1998	Methods of test for coated and treated fabrics Part 1 Determination of roll characteristics Section 1 Methods for determination of length, width and net mass [Second revision of IS 7016 (Part 1)]
11	DOC.PCD 29(2810) / ISO 2286-2: 1998	Methods of test for coated and treated fabrics Pt 1 Determination of roll characteristics Sec 2 Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate [2nd revision of IS 7016 (Pt 1)]
12	DOC.PCD 29(2811) / ISO 2286-3: 1998	Methods of test for coated and treated fabrics Part 1 Determination of roll characteristics Section 3 Method for determination of thickness [Second revision of IS 7016 (Part 1)]
13	DOC.PCD 29(2812) / ISO 3303-1: 2012	Methods of test for coated and treated fabrics: Part 6 Bursting strength Section 1 Steel-ball method [Second revision of IS 7016 (Part 6)]
14	DOC.PCD 29(2813) / ISO 3303-2: 2012	Methods of test for coated and treated fabrics: Part 6 Bursting strength Section 2 Hydraulic method [Second revision of IS 7016 (Part 6)]
15	DOC.PCD 29(2814) / ISO 4674-1 : 2003	Methods of test for coated and treated fabrics: Part 3 Tear strength Section 1 Constant rate of tear methods [Second revision of IS 7016(Part 3)]
16	DOC.PCD 29(2815) / ISO 4674-2 : 1998	Methods of test for coated and treated fabrics: Part 3 Tear strength Section 2 Ballistic pendulum method [Second revision of IS 7016(Part 3)]

**ASPECT WISE REPORT**

METHODS OF TEST	104
OTHERS	1

**TOTAL : 105**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED*

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Determination of viscosity (RL:2) (first revision)

82	IS 9316(Part 3):1987	Methods of test for rubber latex: Part 3 Determination of coagulum content (Sieve Residue) (RL:3) (first revision)	Jun 2013	1
83	IS 9316(Part 4):1988	Methods of test for rubber latex: Part 4 Determination of total solids content(RL:4) (first revision)	May 2009	
84	IS 9316(Part 5):1988	Methods of test for rubber latex: Part 5 Drawing of samples (RL:5) (first revision)	May 2009	
85	** IS 9316(Part 6):1988	Methods of test for rubber latex: Part 6 Determination of pH (RL:6) (first revision)	May 2009	
86	IS 9316(Part 7):1987	Methods of test for rubber latex: Part 7 Determination of total copper (RL:7)	Jun 2013	
87	IS 9316(Part 8):1987	Methods of test for rubber latex: Part 8 Determination of total iron (RL:8)	Jun 2013	
88	IS 9316(Part 9):1987	Methods of test for rubber latex: Part 9 Determination of total manganese (RL:9)	Jun 2013	

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89	IS 10016(Part 1):1981	Methods of test for polybutadiene rubbers: Part 1 Method of taking out test portion from sample bales	Jun 2013
90	IS 10016(Part 2):1984	Methods of test for polybutadiene rubbers: Part 2 Determination of ash	Jun 2013
91	IS 10016(Part 4):1984	Methods of test for polybutadiene rubbers: Part 4 Determination of CIS, Trans and Vinyl Structure	Jun 2013
92	IS 10016(Part 5):1981	Methods of test for polybutadiene rubbers: Part 5 Determination of gel content	Jun 2013
93	IS 10016(Part 6):2000	Methods of test for Polybutadiene Rubbers Part 6: Evaluation of vulcanization characteristics of polybutadiene rubbers (BR:2)	May 2009
94	IS 11720(Part 1):1986	Methods of test for synthetic rubber: Part 1 Determination of antioxidants (SR:1) [Supersedes a portion of IS 4518(Part I):1967]	Feb 2011
95	IS 11720(Part 2):2013 / ISO 3417:1991	Methods of test for synthetic rubber: Part 2 Measurement of vulcanization characteristics with oscillating disc curemeter (first revision)	
96	IS 11720(Part 3):1993	Methods of test for synthetic rubber: Part 3 Determination of Mooney Viscosity	Jun 2013
97	IS 11720(Part 4):1993	Methods of test for synthetic rubber Part 4 : Determination of volatile matter	Jun 2013
98	IS 11720(Part 5):1993	Methods of test for synthetic rubber Part 5 : Determination of ash	Jun 2013
99	IS 11720(Part 6):2001	Methods of test for synthatic rubbers Part 6 - Determination of solvent extract.	Apr 2012
100	IS 11720(Part 11):2001 / ISO 7781:1996	Method of test for synthetic rubber Pt 11 Rubber, raw, styrene - Butadiene - Determination of soap and organic acid content.	Apr 2012
101	IS 11720(Part 13):2001	Methods of test for synthetic rubber Part 13 : Determination of gel content	Apr 2012
102	** IS 12656:1989 / ISO 1746:1983	Rubber or plastics hoses and tubing - Bending tests	Apr 2012

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103	** IS 12657:1989 / ISO 4672:1988	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	Apr 2012
104	IS 13867:1993	Rubber standard temperatures, humidities and times for the conditioning and time interval between vulcanization and testing of test pieces	Jun 2013
105	IS 14788:2000 / ISO 2322:1996	Styrene butadiene rubber (SBR) : Emulsion and solution polymerised types - Evaluation procedure	May 2009
106	** IS 14789:2000 / ISO 5478:1990	Rubber - Determination of styrene content - Nitration methods	May 2009
107	IS 14794:2000 / ISO 2302:1995	Isobutylene-isoprene rubber (IIR) - Evaluation procedure	May 2009
108	IS 15913:2010 / ISO 4671:2007	Rubber and plastic hoses and hose assemblies - Methods of measurement of the dimensions of hoses and the lengths of hose assemblies	
109	IS 15933:2010 / ISO 1307:2006	Rubber and plastic hoses for general purpose industrial applications - Bore diameters and tolerances and tolerances on length	
110	IS 16204:2014 / ISO 8330:2007	Rubber and Plastics Hoses and Hose Assemblies - Vocabulary	
111	IS 16209:2014 / ISO 7233:2006	Rubber and Plastics Hoses and Hose Assemblies - Determination of Resistance to Vacuum	
112	IS 16210:2014 / ISO 8331:2007	Rubber and Plastics Hoses and Hose Assemblies - Guidelines for selection storage, use and maintenance	

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

1	DOC.PCD 29(2540)	Draft Indian Standard on 'Methods of test for rubber latex Part 4 Determination of total solids content [Second Revision of IS 9316(Part 4)] and adoption of ISO 124:2008'
2	DOC.PCD 29(2543)	Draft Indian Standard on 'Methods of Test for Natural Rubber Part 2: Determination of Volatile Matter [Third Revision of IS 3660 (Part 2)] and adoption of ISO 248:2005'

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

3	DOC.PCD 29(2610) / ISO 2781:2009	Method of test for vulcanized rubbers: Part 9 Rubber, vulcanized or thermoplastic - Determination of density [Third revision of IS 3400 (Part9)]
4	DOC.PCD 29(2612) / ISO 7781:2008	Method of test for styrene-butadiene: Part 5 Determination of soap and organize-acid content [Third Revision of IS 4511 (Part 5)]
5	DOC.PCD 29(2613) / ISO 2411:2008	Method of test for coated fabrics: Part 5 Rubber – or plastic-coated fabrics - Determination of coating adhesion [Third Revision of IS 7016(Part 5)]
6	DOC.PCD 29(2624) / ISO 1402:2009	Rubber and plastics hoses and hose assemblies -- Hydrostatic testing
7	DOC.PCD 29(2625) / ISO 6801 : 1983	Rubber or plastics hoses -- Determination of volumetric expansion
8	DOC.PCD 29(2626) / ISO 7326 : 2006	Rubber and plastics hoses -- Assessment of ozone resistance under static conditions
9	DOC.PCD 29(2627) / ISO 7233:2006	Rubber and plastics hoses and hose assemblies -- Determination of resistance to vacuum
10	DOC.PCD 29(2629) / ISO 8031:2009	Rubber and plastics hoses and hose assemblies -- Determination of electrical resistance and conductivity
11	DOC.PCD 29(2631) / ISO 10619-1 : 2011	Rubber or plastics hoses and tubing - Bending tests (First revision of IS 12656)
12	DOC.PCD 29(2632) / ISO 10619-2 : 2011	Rubber and plastics hoses - Sub-ambient temperature flexibility tests (First revision of IS 12656)

**DRAFT STANDARDS ISSUED IN WIDE CIRCULATION**

1	DOC.PCD 29(2706) / ISO 1407:2011	Rubber - Determination of solvent extract [second revision of IS 3660 (Part 9)]
2	DOC.PCD 29(2707) / ISO 2930:2009	Rubber, raw material - Determination of plasticity retention index (PRI) [second revision of IS 3660 (Part 12)]
3	DOC.PCD 29(2708) / ISO 2007:2007	Rubber, unvulcanized - Determination of plasticity - Rapid- plastimeter method [second revision of IS 3660 (Part 11)]

**\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED**  
**/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS**



4	DOC.PCD 29(2709) / ISO 7780:2009	Rubber and rubber lattices - Determination of manganese content - Sodium periodate photometric methods [third revision of IS 3660 (Part 5)]
5	DOC.PCD 29(2710) / ISO 8053:1995	Rubber and latex - Determination of copper content - photometric method [third revision of IS 3660 (Part 4)]
6	DOC.PCD 29(2714)	Code of practice for packaging and storage of vulcanized rubber [second revision of IS 6713]
7	DOC.PCD 29(2716) / ISO 976:1996	Methods of test for rubber latex - Part 6: Determination of pH[second revision of IS 9316(Part 6)]
8	DOC.PCD 29(2717) / ISO 5478:2006	Rubber - Determination of Styrene Content Nitration Method [first revision of IS 14789:2000]
9	DOC.PCD 29(2807) / ISO 125 : 2011	Methods of Test for Natural Rubber Latex - Part : 4 Natural rubber latex concentrate - Determination of alkalinity [Second Revision of IS 3708 (Part 4)]
10	DOC.PCD 29(2808) / ISO 1421: 1998	Methods of test for coated and treated fabrics Part 2 Determination of breaking strength and extension at break [Second revision IS 7016 (Part 2)]
11	DOC.PCD 29(2809) / ISO 2286-1: 1998	Methods of test for coated and treated fabrics Part 1 Determination of roll characteristics Section 1 Methods for determination of length, width and net mass [Second revision of IS 7016 (Part 1)]
12	DOC.PCD 29(2810) / ISO 2286-2: 1998	Methods of test for coated and treated fabrics Pt 1 Determination of roll characteristics Sec 2 Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate [2nd revision of IS 7016 (Pt 1)]
13	DOC.PCD 29(2811) / ISO 2286-3: 1998	Methods of test for coated and treated fabrics Part 1 Determination of roll characteristics Section 3 Method for determination of thickness [Second revision of IS 7016 (Part 1)]

\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS

14	DOC.PCD 29(2812) / ISO 3303-1: 2012	Methods of test for coated and treated fabrics: Part 6 Bursting strength Section 1 Steel-ball method [Second revision of IS 7016 (Part 6)]
15	DOC.PCD 29(2813) / ISO 3303-2: 2012	Methods of test for coated and treated fabrics: Part 6 Bursting strength Section 2 Hydraulic method [Second revision of IS 7016 (Part 6)]
16	DOC.PCD 29(2814) / ISO 4674-1 : 2003	Methods of test for coated and treated fabrics: Part 3 Tear strength Section 1 Constant rate of tear methods [Second revision of IS 7016(Part 3)]
17	DOC.PCD 29(2815) / ISO 4674-2 : 1998	Methods of test for coated and treated fabrics: Part 3 Tear strength Section 2 Ballistic pendulum method [Second revision of IS 7016(Part 3)]

**ASPECT WISE REPORT**

PRODUCT	7
METHODS OF TEST	95
TERMINOLOGY	1
OTHERS	9

**TOTAL : 112**

*\* INDICATES STANDARDS UNDER REVISION    \*\* INDICATES STANDARDS TO BE REVISED  
/ INDICATES DUAL NUMBER STANDARDS    | INDICATES EQUIVALENT STANDARDS*

**ANNEX 1**  
**STANDARDS WITHDRAWN / SUPERSEDED**

Sl. No.	Committee No.	IS No./ DOC Number	Title
1	9	IS 213:1968	Coal-based naphtha (first revision) (superseding IS 214:1956 and IS 1272:1958)_ (withdrawn)
2	9	IS 214:1958	Coal tar solvent naphtha, heavy (withdrawn)
3	1	IS 310(Part 2):1954	Methods of sampling and test for lubricants:Part II (superseded by IS 1447 and IS 1448)
4	3	IS 311:1951	Oil, cylinder, pure mineral, ordinary (superseded by IS 1589)
5	3	IS 312:1951	Oil, cylinder, compounded, ordinary (superseded by IS 1589)
6	3	IS 313:1951	Oil, cylinder, pure mineral, super heat (superseded by IS 1589)
7	3	IS 314:1951	Oil, cylinder, compounded, super heat (superseded by IS 1589)
8	3	IS 315:1951	Oil, cylinder, pure mineral, filtered (superseded by IS 1589)
9	3	IS 316:1951	Oil, cylinder, compounded, filtered (superseded by IS 1589)
10	3	IS 317:1970	Automotive hydraulic brake fluid moderate duty (second revision) (superseded by S 8654)
11	9	IS 322:1952	Power alcohol (Withdrawn)
12	18	IS 326:1984	Methods of sampling and test for natural and synthetic perfumery materials (first revision) (superseded by IS 326 Part 1 to Part 21)
13	9	IS 358:1964	Benzole, industrial (revised) (withdrawn)
14	9	IS 359:1965	Specification for Xylole, Industrial Solvent Grade (first revision)
15	9	IS 387:1954	Wood naphtha as a denaturing material (Superseded by IS 4117)
16	3	IS 409:1952	Grease, S. No. 3 (Withdrawn)
17	12	IS 414:1965	Guts for tennis, badminton and squash racket (first revision)
18	12	IS 425:1953	Shellac adhesive for steam flange joints (withdrawn)
19	7	IS 436(Part 1/Sec 2):1976	Methods for sampling of coal and coke: Part 1 Sampling of coal Section 2: Mechanical sampling
20	7	IS 436(Part 2):1965	Methods of sampling of coal and coke: Part 2 Sampling of coke (first revision)

Sl. No.	Committee No.	IS No./ DOC Number	Title
21	13	IS 445:1964	Water hose of rubber, high pressure with woven reinforcement (revised) (superseded by IS 444)
22	3	IS 496:1982	Specification for automotive internal combustion engine lubricating oils (fourth revision) (Superseded by IS 13656:1993)
23	3	IS 509:1953	Grease, L No. 4 (Withdrawn)
24	9	IS 518:1954	Methyl acetone (withdrawn)
25	18	IS 527:1954	Rectified oil of camphor (withdrawn)
26	9	IS 535:1955	Benzene, pure, nitration grade(withdrawn)
27	9	IS 716:1987	Pentachlorophenol (second revision) (Withdrawn)
28	3	IS 721:1955	Grease, S. soft, loco (superseded by IS 720)
29	12	IS 827:1966	Sinew guts for tennis and badminton rackets (first revision)
30	12	IS 830:1985	Tennis racket frames (third revision)
31	12	IS 831:1979	Badminton racket frames (second revision)
32	13	IS 911:1968	Air hose of rubber with braided textile reinforcement (second revision) (superseded by IS 446)
33	13	IS 912:1963	Braided air hose of rubber, light duty (revised) (superseded by IS 911)
34	13	IS 913:1968	Water hose of rubber with braided textile reinforcement (second revision) (superseded by IS 444)
35	13	IS 914:1963	Braided water hose of rubber, low pressure (revised) (superseded by IS 913)
36	3	IS 1002:1956	Multipurpose grease, No. 1, No. 2 and No. 3) (superseded by IS 7623)
37	6	IS 1214:1978	Methods for testing tar and bituminous materials; Determination of matter insoluble in benzene (first revision) (withdrawn)
38	9	IS 1272:1958	Coal tar solvent naphtha, light Grade 2 (Superseded by IS 213)
39	3	IS 1276:1958	Grease, S. No. 2 (superseded by IS 719)
40	3	IS 1277:1987	Specification for gear lubricant, regular (second revision) (withdrawn)
41	7	IS 1351:1959	Methods of test for coal & coke ultimates analysis [superseded by IS 1350(Part IV/Sec 1 and Sec 2)]
42	7	IS 1352:1959	Methods of test for coal and coke ultimate analysis [superseded by IS 1350(Part V)]

Sl. No.	Committee No.	IS No./ DOC Number	Title
43	16	IS 1421:1964	Specification for cellulose nitrate coated fabrics (revised) (Withdrawn)
44	1	IS 1448(Part 35):1960	Methods of test for petroleum and its products: Part 35 Sulphur by Quartz tube method (withdrawn)
45	1	IS 1448(Part 37):1967	Tetraethyl lead (TEL) by chlorate oxidation method (first revision) (Withdrawn)
46	1	IS 1448(Part 38):1982	Methods of test for petroleum and its products: Part 38 Determination of lead antiknock compound in gasoline by gravimetric method (second revision)
47	1	IS 1448(Part 48):1972	Methods of test for petroleum and its products: Part 48 Olefins and aromatic content (first revision) (withdrawn)
48	1	IS 1448(Part 49):1962	Thermal stability of aviation turbine fuels (Withdrawn)
49	1	IS 1448(Part 63):1967	Methods of test for petroleum and its products: Part 63 Benzene and toluene by ultra-violet spectrophotometry (withdrawn)
50	1	IS 1448(Part 77):1971	Methods of test for petroleum and its products: Part 77 Metallic constituents of lubricating oils, chemical method
51	1	IS 1448(Part 88):1979	Methods of test for petroleum and its products: Part 88 Engine test method for evaluation of detergency characteristics of internal combustion engine crankcase oils (withdrawn)
52	1	IS 1448(Part 108):1982	Methods of test for petroleum and its products: Part 108 Apparent viscosity of engine oil at low temperature using the cold-cranking simulator
53	1	IS 1448(Part 117):1984	Methods of test for petroleum and its products: Part 117 Determination of lead content in gasolsine by volumetric chromate method (withdrawn)
54	23	IS 1465:1964	Methods of test for plastic buttons (thermosetting) (revised) [superseded by IS8543(Part XIII/Sec I)]
55	3	IS 1558:1960	Vaporising oil (withdrawn)
56	3	IS 1585:1960	Motor gasoline, 79 octane (superseded by IS 2796)
57	3	IS 1588:1967	Aviation turbine fuels, wide cut gasoline type (first revision) (withdrawn)
58	18	IS 1614:1960	Oil of vetiver roots (cultivated) (amalgamated in IS 1177)
59	18	IS 1616:1960	Oil of spike lavender (withdrawn)
60	18	IS 1617:1960	Oil of lavandin (withdrawn)
61	18	IS 1618:1960	Lavender French (Withdrawn)

Sl. No.	Committee No.	IS No./ DOC Number	Title
62	3	IS 1674:1960	Specification for temporary corrosion preventive fluid, soft film, solvent deposited (withdrawn) (superseded by IS 1154:2000)
63	3	IS 1839:1961	Toluene, Regent Grade
64	3	IS 1840:1961	Benzene, Regent Grade
65	12	IS 2038:1962	Fabric base thermosetting synthetic resin bonded laminated sheets (superseded by IS 2036)
66	12	IS 2205:1962	Tube inflated football bladders
67	12	IS 2213:1962	Methods of sampling of thermosetting moulding materials (withdrawn)
68	20	IS 2256:1972	Ammonium sulphate nitrate (Withdrawn)
69	13	IS 2410:1963	Suction hose of rubber for fire services (withdrawn)
70	3	IS 2660:1964	Specification for oil, cylinder grade 4 (with amendment no. 1) (Superseded by IS 1589:1994)
71	12	IS 2880:1986	Pressure sensitive adhesive cellulose tapes (third revision) (Superseded by IS 13262:1992)
72	18	IS 3226:1965	Oil of bergamot (Withdrawn)
73	18	IS 3227:1965	Oil of bois de rose (Withdrawn)
74	18	IS 3249:1965	Oil of rosemary (Withdrawn)
75	12	IS 3371:1980	Di-n-butyl phthalate (first revision) (superseded by IS 14421:1997)
76	13	IS 3418:1968	Oil and solvent-resistant hose of rubber with braided textile reinforcement (first revision) (Superseded by IS 635:1982)
77	3	IS 3433:1965	Oil, Mineral Colza (withdrawn)
78	15	IS 3465:1966	Jointing compound for use in LPG appliances and installations (withdrawn)
79	18	IS 3533:1965	Oil of linaloe berries (Withdrawn)
80	13	IS 3557:1965	Air hose of rubber, heavy duty, with woven reinforcement (superseded by IS 446)
81	13	IS 3572:1968	Welding hose of rubber with braided textile reinforcement (first revision) (superseded by IS 447)
82	14	IS 3660(Part 3):1971	Methods of test for natural rubber: Part III Plasticity and plasticity retention index [Superseded by IS 3660(Part 11):1989 and IS 3660(Part 12):1989]
83	14	IS 3660(Part 51):1972	Method of test for natural rubber: Part 51 Determination of ash, total copper, manganese, rubber, hydrocarbon, viscosity (Shearing disk viscometer), and mixing and vulcanizing of rubber in standard compound (First Revision)

Sl. No.	Committee No.	IS No./ DOC Number	Title
84	14	IS 3660(Part 52):1968	Method of test for natural rubber: Part 52 Determination of solvent extract and nitrogen content
85	14	IS 3660(Part 54):1979	Method of test for natural rubber: Part 54 Determination of colour, accelerated storage-hardening test and vulcanization characteristics (MOD test)
86	12	IS 3672:1980	Di-Octyl phthalate plasticizer (first revision) (superseded by IS 14421:1997)
87	12	IS 3676:1986	Pressure sensitive adhesive PVC tapes (second revision) (Superseded by IS 13262:1992)
88	13	IS 3708(Part 12):1966	Methods of test for natural rubber latex: Part I Determination of volatile fatty acid number, total nitrogen, total copper, total iron, total manganese, total ash (Withdrawn)
89	13	IS 3708(Part 13):1968	Methods of test for natural rubber latex: Part II Determination of boric acid and magnesium (Withdrawn)
90	18	IS 4271:1967	Coumarin (Withdrawn)
91	14	IS 4511(Part 7):1967	Methods of test for styrene-butadiene rubber (SBR) latices: Part I Determination of dry polymer, total solids, density, residual styrene, bound styrene and soap content (Withdrawn)
92	7	IS 4836:1968	Foundry coke (superseded by IS 439)
93	12	IS 4973:1968	Badminton woollen balls
94	7	IS 5018:1968	Classification of hard coals by type (superseded by IS 770)
95	12	IS 5025:1985	Gum Karaya (second revision) (withdrawn)
96	13	IS 5132:1969	Hose reel tubing for fire fighting (withdrawn)
97	13	IS 5166:1969	Cement grouting hose of rubber with graded textile reinforcement (Superseded by IS 5137:1990)
98	12	IS 5174:1969	Landing mats (superseded by IS 10831)
99	13	IS 5188:1985	Specification for cold polymerized oil extended raw styrene-butadiene rubber (first revision)
100	3	IS 536:1968	Toluole, industrial (first revision)
101	20	IS 5407:1969	Ammonium phosphate sulphate granular (Withdrawn)
102	20	IS 5408:1969	Fused calcium magnesium phosphate (withdrawn)
103	7	IS 5615:1970	Gas coke (superseded by IS 439)

Sl. No.	Committee No.	IS No./ DOC Number	Title
104	13	IS 5783:1970	Rubber ward-dressing and Porter's gloves (withdrawn)
105	18	IS 5808:1970	Linalool (Withdrawn)
106	13	IS 5937:1970	Hot water hose of rubber with braided textile reinforcement (superseded by IS 5821)
107	3	IS 6048:1970	Specification for temporary corrosion preventive, soft film, hot dipping type (withdrawn, superseded by IS 958:2000)
108	7	IS 6372:1971	Coke for ferro-alloys (superseded by IS 439)
109	16	IS 6407:1971	Rubber aprons for hospital use (withdrawn)
110	13	IS 6417:1972	Rubber sand blast hose with woven textile reinforcement (superseded by IS 5894)
111	18	IS 6617:1972	Oil of mandarin orange, cold pressed (withdrawn)
112	12	IS 6627:1980	Dimethyl phthalate plasticizer (first revision) (superseded by IS 14421:1997)
113	3	IS 7029:1973	Code of practice for inhibition of internal combustion engine coolant water (with amendment no. 1) (withdrawn)
114	7	IS 7189:1974	Blast furnace coke (superseded by IS 439)
115	7	IS 7221:1974	Methods of determining the moisture holding capacity in hard coals (withdrawn)
116	12	IS 7277:1974	Code of practice for safe use of polyethylene in contact with foodstuffs, pharmaceutical and drinking water (Withdrawn, superseded by IS 10141 and IS 10146)
117	12	IS 7288:1974	Code of practice for safe use of polyvinyl chloride (PVC) and its copolymers in contact with foodstuffs, pharmaceuticals and drinking water (withdrawn) (superseded by IS 10148 and IS 10151)
118	13	IS 7450:1974	Vulcanized styrene butadiene rubber (SBR) based compounds (withdrawn)
119	21	IS 7551:1975	Method of test for compatibility of plastics containers
120	3	IS 7574:1975	Emergency specification for kerosene (alternative to IS 1459:1974) (withdrawn)
121	3	IS 7575:1975	Emergency specification for diesel fuels (alternative to IS 1460:1974) (withdrawn)
122	18	IS 7695:1978	Linalool, Synthetic (Withdrawn)
123	12	IS 7961:1976	Code of practice for safe use of styrene polymers in contact with foodstuffs, pharmaceuticals and drinking water (Superseded by IS 10142 & IS 10149)



Sl. No.	Committe No.	IS No./ DOC Number	Title
124	13	IS 8219:1976	Synthetic red oxide of iron for rubber industry (excluding venetian red) (Superseded by IS 1684:1994)
125	12	IS 8230:1976	Steel filled epoxy resin based adhesives (Withdrawn)
126	23	IS 8543(Part 1/Sec 2):2000	Methods of testing plastics Part I Characterization of polymers structure and size Section 2 Determination of density of solid plastics [Superseding by IS 13360(Part 3/Sec 1):1995]
127	23	IS 8543(Part 2/Sec 1):1977	Methods of testing plastics Part II Testing of materials before moulding Section I Determination of apparent density of moulding materials that can be poured from a funnel
128	23	IS 8543(Part 2/Sec 3):1977	Methods of testing plastics Part II Testing of materials before moulding Section 3 Determination of bulk factor of moulding materials [Superseded by IS 13360(Part 3/Sec 4):1995]
129	23	IS 8543(Part 3/Sec 1):1977	Methods of testing plastics Part III Preparation of test specimens Section 1 Compression moulded test specimens [Superseded by IS 13360(Part 2/Sec 1):1992 and IS 13360(Part 2/Sec 2):1995]
130	23	IS 8543(Part 11/Sec 2):1977	Methods of testing plastics Part II Testing of materials before moulding, Section 2 Determination of apparent density of moulding materials that cannot be poured from a funnel
131	3	IS 9048:1982	Specification for re-refined automotive internal combustion engine lubricating oils (first revision) (with amendment no. 1 & 2) (Superseded by IS 13656:1993)
132	12	IS 9572:1980	Benzyl butyl phthalate plasticizer (superseded by IS 14421:1997)
133	20	IS 9747:1981	Anhydrous ammonia as fertilizer material (Withdrawn)
134	18	IS 9784:1981	Tejpat leaf oil (withdrawn)
135	12	IS 9849:1981	Guide for selection of toys for different age groups of children
136	3	IS 10356:1982	Specification for automotive internal combustion engine lubricating oils from base stocks of mixed crude (Superseded by IS 13656:1993)
137	12	IS 11310:1985	Babul gum (withdrawn)
138	15	IS 11856:1986	Adhesive caulking compound, bitumen based (withdrawn)

Sl. No.	Committee No.	IS No./ DOC Number	Title
139	21	IS 12265:1987	Flexible packs for the packing of edible oils (withdrawn) (superseded by IS 12724:1989)
140	13	IS 12814:1989	Ventilation ducting - Vinyl coated, semi-rigid (superseded by IS 3768:1996)
141	12	IS 13360(Part 8/Sec 2):2004	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 2 Polymer dispersions and Rubber Latices - Determination of pH (First Revision)
142	12	IS 13360(Part 8/Sec 10):1999	Plastics - Methods of testing Part 8 permanence/ chemical properties Section 10 Environmental stress-cracking - Ball or pen impression method
143	12	IS 13360(Part 9/Sec 4):1997	Plastics - Methods of Testing Part 9 Optical properties Section 4 Qualitative evaluation of the bleeding of colorants
144	7	IS 15439:2004	Hard coal -Determination of oxygen content
145	7	IS 15440:2004	Coal - Sampling of pulverized coal conveyed by gases in direct fixed coal systems

## ANNEX II

### Bureau of Indian Standards

#### List of IS No. Covered Under BIS Certification Marks Scheme Under 'PCD' (IS Wise)

S No	IS No	Comm No.	Title	No. of Lic
1	IS 245 : 1988	PCD 9	Trichloroethylene, Technical	1
2	IS 444 : 1987	PCD 13	General Purpose Rubber Water Hose (Fourth Revision) (Superseding IS 445 : 1964 and IS 913 : 1968)	11
3	IS 446 : 1987	PCD 13	Rubber Air Hose	7
4	IS 447 : 1988	PCD 13	Rubber Hose For Welding	25
5	IS 539 : 1974	PCD 9	Naphthalene	1
6	IS 636 : 1988	PCD	Non-Percolating Flexible Fire Fighting Delivery Hose (Third Revision)	16
7	IS 638 : 1979	PCD 13	Sheet Rubber Jointing And Rubber Insertion Jointing	2
8	IS 702 : 1988	PCD 6	Industrial Bitumen	5
9	IS 1741 : 1960	PCD 13	Latex Foam Rubber Products	10
10	IS 2036 : 1995	PCD 12	Phenolic Laminated Sheets	2
11	IS 2046 : 1995	PCD 12	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheets	64
12	IS 2089 : 1977	PCD 13	Common Proofed Canvas/Duck and Paulins (Tarpaulins)	5
13	IS 2257 : 1989	PCD 12	Paper Adhesives, Liquid Gum and Office Paste Type	1
14	IS 2396 : 1988	PCD 13	Rubber Hose for Fuel Dispensing	1
15	IS 2508 : 1984	PCD 12	Low Density Polyethylene Films	15
16	IS 3470 : 2002	PCD 3	Hexane, Food Grade	2
17	IS 3549 : 1983	PCD 13	Water Suction and Discharge Hose of Rubber, Heavy Duty Covers IS 2410 : 1963 Also )	5
18	IS 4135 : 1974	PCD 13	Hospital Rubber Sheetings	3
19	IS 4148 : 1989	PCD 13	Surgical Rubber Gloves <b>(Transferred to MHD)</b>	17

20	IS 4355 : 1977	PCD 13	Fire-Resistant Brattice Cloth	5
21	IS 4588 : 1986	PCD 13	Rubber, Raw, Natural	6
22	IS 4654 : 1993	PCD 3	Paraffin Wax	2
23	IS 5382 : 1985	PCD 13	Rubber Sealing Rings for Gas Mains, Water Mains and Sewers	38
24	IS 5430 : 1981	PCD 13	Ammonia Preserved Concentrated Natural Rubber Latex	42
25	IS 5759 : 1994	PCD 3	Antifreeze Coolant	1
26	IS 5894 : 1980	PCD 13	Rubber Hose for Sand Blasting	1
27	IS 5915 : 1970	PCD 13	Single Texture Rubberized Waterproof Fabrics	1
28	IS 6803 : 1972	PCD 13	Special Proofed Canvas and Duck	6
29	IS 7466 : 1994	PCD 13	Rubber Gaskets for Pressure Cookers	26
30	IS 7933 : 1975	PCD 12	Flexible Polyurethane Foam for Domestic Mattresses	11
31	IS 8249 : 1994	PCD 20	Zinc Sulphate Heptahydrate, Agricultural Grade <b>(Transferred to FAD)</b>	39
32	IS 8654 : 2001	PCD 3	Automotive Hydraulic Brake Fluid, Heavy Duty	1
33	IS 8887 : 2004	PCD 6	Bitumen Emulsion for Roads (Cationic Type)	23
34	IS 9573 : 1998	PCD 13	Rubber Hose for Liquefied Petroleum Gas (LPG)	27
35	IS 10228 : 1982	PCD 13	School Bag	1
36	IS 10350 : 1999	PCD 19	Powder Hair Dyes	3
37	IS 10647 : 1983	PCD 3	Wheel Bearing Grease	1
38	IS 10908 : 1991	PCD 13	Flexible Rubber Tubing for Liquefied Petroleum Gas	13
39	IS 12585 : 1988	PCD 13	Thermoplastic Hoses (Textile Reinforced) For Water - General Purpose	9
40	IS 13422 : 1992	PCD 13	Disposable Surgical Rubber Gloves <b>(Transferred to MHD)</b>	19
41	IS 14182 : 1994	PCD 12	Solvent Cement for Use with Unplasticized Polyvinylchloride Plastic Pipe and Fittings	16

42	IS 14443:1997 PCD 12	Polycarbonate sheets	2
43	IS 14611 : 1998 PCD 1	Multilayered Cross Laminated Sheets and Tarpaulins/Covers	2
44	IS 14625 : 1999 PCD 21	Plastics Feeding Bottles	25
45	IS 14982 : 2001 PCD 6	Anti-Striping Agents (Amine Type)	1
46	IS 15354 : 2003 PCD 13	Single-Use Rubber Examination Gloves <b>(Transferred to MHD)</b>	2
47	IS 15410 : 2003 PCD 21	Containers for Packaging of Natural Mineral Water and Packaged Drinking Water	2
48	IS 15462 : 2004 PCD 6	Polymer and Rubber Modified Bitumen	4
49	IS 15477 : 2004 PCD 12	Adhesives for Use with Ceramic Tiles and Mosaics	15
50	IS 15559:2004 PCD 12	Polyester strapping	2

## ANNEX III

### List of Bilingual / Hindi Standards

#### 1. हिन्दी में प्रकाशित भारतीय मानक

Sl. No.	IS No.	Title
1	3584:1984	कपूर (पहला पुनरीक्षण) (संशोधन सं 1) (1995 में पुनर्पुष्ट)
2	4576:1999	द्रवित पेट्रोलियम गैसेस (दूसरा पुनरीक्षण)
3	9740:1981	दाढी बनाने की क्रीम (1996 में पुनर्पुष्ट)
4	11142:1984	मेंहदी पुर्ण (2000 में पुनर्पुष्ट) (संशोधन सं 1)
5	11152:1998	5 किग्रा या 5 लीटर वनस्पति की पैकिंग के लिए नम्य थैलिया (दूसरा पुनरीक्षण)
6	10228:1982	स्कूली बस्ते

#### 2. द्विभाषी भारतीय मानक / Bilingual Indian Standards

Sl. No.	IS No.	Title
1	10908:1991	द्रवित पेट्रोलियम गैस के लिए रबड़ की नम्य नलियाँ (पहला पुनरीक्षण) Flexible rubber tubing for liquefied petroleum gas (first revision)
2	14847:2000	औधोगिक प्रयोजनों के लिए लिथियम मिश्रित ग्रीज - विशिष्टि Lithium complex grease for industrial purposes – Specification
3	14861:2000	मोटर वाहनों हेतु द्रवित पेट्रोलियम गैस (एल पी जी) - विशिष्टि Liquefied petroleum gases (LPG) for automotive purposes – Specification

**ANNEX IV**

**HARMONIZATION POSITION**

<b>TYPE OF HARMONIZATION</b>	<b>NUMBER OF STANDARDS</b>
INDIAN STANDARDS UNDER DUAL NUMBER (IDENTICAL WITH ISO OR IEC STANDARDS)	253
INDIAN STANDARDS TECHNICALLY EQUIVALENT WITH ISO OR IEC STANDARDS	16
INDIAN STANDARDS WITH EN STANDARDS/REGULATIONS	-
INDIAN STANDARDS HARMONIZED WITH STANDARDS OF OTHER BODIES	-
<b>TOTAL</b>	<b>269</b>

**ANNEX V**

**LIST OF MANDATORY STANDARDS**

<b>Sl. No.</b>	<b>IS No.</b>	<b>Title</b>
1	3470:2002	Specification of hexane, food grade (first revision)
2	14625:1999	Plastics feeding bottles



## ANNEX VI

### MEMBERSHIP STATUS IN ISO

TC/SC	Title	Membership
ISO/TC 27	Solid mineral fuels	P
ISO/TC 27/SC 1	Coal preparation: Terminology and performance	O
ISO/TC 27/SC 3	Coke	P
ISO/TC 27/SC 4	Sampling	P
ISO/TC 27/SC 5	Methods of analysis	P

ISO/TC 28	Petroleum products and lubricants	Membership
ISO/TC 28/SC 2	Measurement of petroleum and related products	P
ISO/TC 28/SC 4	Classifications and specifications	P
ISO/TC 28/SC 5	Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels	P
ISO/TC 28/SC 7	Liquid Biofuels	P

ISO/TC 45	Rubber and Rubber Products	P
ISO/TC 45/SC 1	Rubber and plastics hoses and hose assemblies	P
ISO/TC 45/SC 2	Testing and analysis	P
ISO/TC 45/SC 3	Raw materials (including latex) for use in the rubber industry	P
ISO/TC 45/SC 4	Products (other than hoses)	P

<b>ISO/TC 54</b>	Essential Oil	<b>P</b>
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ISO/TC 61	Plastics	P
ISO/TC 61/SC 2	Mechanical properties	P
ISO/TC 61/SC 4	Burning behaviour	P
ISO/TC 61/SC 5	Physical-chemical properties	P
ISO/TC 61/SC 6	Ageing, chemical and environmental resistance	P
ISO/TC 61/SC 9	Thermoplastic materials	P

ISO/TC 61/SC 11	Products	P
ISO/TC 61/SC 12	Thermosetting materials	P
ISO/TC 61/SC 13	Composites and reinforcement fibres	P

<b>ISO/TC 83</b>	Sports and other recreational facilities and equipment	<b>O</b>
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<b>ISO/TC 181</b>	Safety of Toys	<b>P</b>
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<b>ISO/TC 193</b>	Natural Gas	<b>P</b>
<b>ISO/TC 217</b>	Cosmetics	<b>P</b>

<b>ISO/TC 238</b>	Solid Biofuels	<b>O</b>
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<b>ISO/TC 255</b>	Biogas	<b>P</b>
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