

Draft for Comments Only

Draft Indian Standard
COCONUT MILK POWDER - SPECIFICATION
ICS No. 67.080.10

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Processed Fruits and Vegetable Products Sectional Committee, FAD10

FOREWORD

(adoption clause will be added later)

Coconut milk powder occupies an important place among the processed coconut products which are exported from India. There is ample scope for the development of external as well as the internal trade for this product. It is necessary to ensure the quality of the products, if the demand is to be maintained and further developed. In order to ensure maintenance of proper quality, it is necessary to have strict quality control based on specifications. It was, therefore, found necessary to formulate an Indian Standard Specification for this product.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

This standard prescribes the requirements and the methods of sampling and test for Coconut milk powder

2. REFERENCES

The Indian standards listed below contain provisions which through reference in this text constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

IS No	Title
IS 966 : 1999	Desiccated Coconut - Specification
IS 2491 : 1998	Food Hygiene - General Principles - Code of Practice
IS 5401 (Part 1) : 2002	Microbiology - General Guidance for the
/ISO 4831 : 1991	Enumeration of Coliforms - Part 1 : Colony Count Technique

IS 5402 : 2002 /ISO 4833 : 1991	Microbiology - General Guidance for the enumeration of Microorganisms - Colony Count Technique at 30°C
IS 5403 : 1999	Method for Yeast and Mould Count of Foodstuffs
IS 5887 (Part I) : 1976	Methods for Detection of Bacteria Responsible for Food Poisoning - Part I : Isolation, Identification and Enumeration of Escherichia Coli
IS 5887 (Part 3) : 1999 /ISO 6579 : 1993	Methods for Detection of Bacteria Responsible for Food Poisoning - Part 3 : General Guidance on Methods for the Detection of Salmonella
IS 9396 (Part 1) : 1987	Tinplate requirements (<i>first revision</i>)
(Part 2) : 1987	Sizes and general requirements (<i>first revision</i>)
IS 10171 : 1987	Guide on suitability of plastics for food packaging (<i>first revision</i>)

3. Requirement

3.1 Description

The use of the term coconut milk powder shall be reserved for dehydrated comminuted and expelled coconut endosperm that is dried manufactured and suitably packed under hygienic condition.

3.2 Hygienic Conditions

The material shall be manufactured and packed under hygienic conditions (IS 2491). The basic principles of hygiene underlining the technical advice in this code should be applied with appropriate modification.

3.3 The product shall also conform to the requirements given in Table 1

Table 1 Requirements for Coconut Milk powder
(Clause 3.3)

Sl No	Characteristic	Requirement	Method of test
1	Colour	White	-
2	Texture	Smooth & free flowing	-
3	Aroma	Typical of coconut	-
4	Taste & Flavour	Mild, Sweet similar to fresh coconut milk	-
5	Bulk Density	300-480 g/litre	ASTM D1895B
6	Fat	60% min	Annex E of IS 966:1999
7	Moisture	2.5% max	Annex B of IS 966:1999
8	FFA	0.1% max	Annex F of IS 966:1999
9	Total, Plate Count	5000/gm max.	IS 5402:2002
10	Yeast & mould	50/gm max	IS 5403 : 1999
11	E. coli	Nil	IS 5887 (Part 1): 1976
12	Coliforms	Nil	IS 5401 : Part 1 : 2002
13	Salmonella	Nil	IS 5887 (Part 3): 1999

3.4 Food Additives

Food Additives in the category of stabilizers, emulsifiers, acidulating agents, thickening and modifying agents within the restrictions and use prescribed under Part XIX Use of food additives in food products under the PFA Act 1955.

3.5 Labelling

The name of the product on the label shall be “Coconut milk powder.” The provisions of the General Standard for labelling prescribed under PART - VII - Packing and Labelling of Foods in PFA Act –Rule 32 shall apply.

3.6 The pesticide residues, heavy metals, aflatoxins etc., if any in the product shall not exceed the limit as prescribed in Prevention of Food Adulteration Act, 1954 and the Rules made thereunder. Additionally, Prevention of Food Adulteration Act, 1954 and Standards of Weights and Measures Act, 1977 requirements wherever applicable has to be complied with.

4 PACKING AND MARKING

4.1 Packing

The product shall be packed in hermetically sealed, clean and sound containers (*see* IS 9396) or in a flexible pack made from film or combination of any of the substrates made of board paper, polyethylene, polyester, metallized films or aluminium foil so as to protect it from deterioration. In case plastic material is used for flexible packaging, only food grade plastic shall be used (*see* IS 10171).

4.2 Marking

4.2.1 Each container shall be suitably marked so as to give the following particulars:

- a) Name of the material, and brand name, if any;
- b) Name and address of the manufacturer;
- c) Batch or Code number;
- d) Month and year of manufacture or packing;
- e) Net quantity;
- f) The words ‘Best before...’, month and year to be indicated; and
- g) Any other requirements as stipulated under the *Standards of Weights and Measures (Packaged Commodities) Rules, 1977*, and the *Prevention of Food Adulteration Act, 1954* and Rules framed thereunder.

4.2.2 BIS Certification Marking

The product may also be marked with the Standard Mark.

4.2.2.1 The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

5 SAMPLING

Representative samples of the material for testing the conformity of this specification shall be drawn according to the methods given in Annex G of IS 966.