

**PAKISTAN STANDARD SPECIFICATION
FOR
POWDER TEA/COFFEE WHITENER**



**PAKISTAN STANDARDS AND QUALITY CONTROL AUTHORITY,
STANDARDS DEVELOPMENT CENTRE,
Plot No. ST.7/A, Block-3, Scheme-36, Gulistan-e-Jouhar,
Karachi-Pakistan**

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PAKISTAN STANDARDS & QUALITY CONTROL AUTHORITY
(STANDARDS DEVELOPMENT CENTRE)

(AGRICULTURE & FOOD DIVISION)

MEMBERSHIP LIST OF MILK & DAIRY PRODUCTS TECHNICAL COMMITTEE

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| 3. | Govt. Public Analyst, | Directorate General Health Services Sindh Old Building, Wahdat Colony <u>HYDERABAD.</u> |
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2. Engr. Lal Muhammad Rajar,
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**PAKISTAN STANDARD SPECIFICATION
FOR
POWDER TEA/COFFEE WHITENER**

0. FOREWORD

- 0.1** This Pakistan Standard was adopted by the Pakistan Standards & Quality Control Authority Standards Development Centre on 09-03-2017 after the draft finalized by the Milk & Dairy Products Technical Committee, had been approved by the National Standards Committee for Agriculture & Food Products.
- 0.2** This standard has drawn up to ensure uniformity in the processing of Powder Tea/Coffee Whiteners.
- 0.3** In the preparation of this standard the views of the Manufacturers, Scientist, Suppliers, Consumers, Food Technologist, Testing Authorities and Shariah Scholars have been taken into consideration.
- 0.4** For the purpose of deciding whether a particular requirements of this standard is complied with final value observed or calculated expressing the result of test or analysis shall be rounded off in accordance with PS:103 for Methods of Rounding Off Numerical Value the number of significant places retained in the rounded off value, shall be the same as that of the specific value in the standard.
- 0.5** All the ingredients preparation, processing, packaging storage and for transportation shall be according to PS: 3733 for Halaal Food Management System Requirement for any Organization in the Food Chain.

1. SCOPE

- 1.1** This Standard prescribes the requirements, methods of sampling and test for Powder Tea/Coffee Whiteners.

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2. **TERMINOLOGY**

- 2.1 For the purpose of this standard, the following definition shall apply.
- 2.2 Milk or Cream Substitute consisting of Milk Solids Non Fat (MSNF), milk fat and/or vegetable fat, Lactose, vegetable protein and sugars for use in beverages such as Tea and Coffee. All the permitted additives are allowed in the Powder Tea Whitener/Coffee Whitener. The products must meet the composition requirements given in Table-1.

3. **REQUIREMENTS**

- 3.1 The product shall be free from extraneous matters and added colours.
- 3.2 It may contain permitted food additives and flavors.
- 3.3 Hydrogenated and partially hydrogenated vegetable fat must be not used in Powdered Tea/Coffee Whitener.

4. **HYGIENE**

It is recommended that the products covered by the provisions of this standard be prepared and handled in accordance with the appropriate sections of PS:3944 for Code of Practice *General Principles of Food Hygiene* the *Code of Hygienic Practice for Milk and Milk Products* (CAC/RCP 57-2004) and other relevant Codex texts such as Codes of Hygienic Practice and Codes of Practice. The products should comply with any microbiological criteria established in accordance with the *Principles and Guidelines for the Establishment and Application of Microbiological Criteria Related to Foods* (CAC/GL 21-1997).

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5. **THE PRODUCT SHALL ALSO CONFORM TO THE REQUIREMENTS GIVEN IN TABLE-I.**

TABLE-I
REQUIREMENTS OF
POWDER TEA/COFFEE WHITENER

| S. # | CHARACTERISTICS | REQUIREMENTS |
|------|--|--------------|
| i. | Moisture percent by mass, max. | 4.0 |
| ii. | Milk Solids non Fat (MSNF) percent by mass, min. | 30 |
| iii. | Insoluble index ml. max. | 1.5 |
| iv. | Total Ash (on dry basis) percent by mass, max. | 7.0 |
| v. | Fat (Milk and/or Vegetable) percent by mass min. | 15.0 |

6. **MICROBIOLOGICAL REQUIREMENTS**

TABLE-II
MICROBIOLOGICAL CRITERIA FOR POWDERED TEA/COFFEE WHITENER

| S. # | CHARACTERISTICS | REQUIREMENTS |
|------|--------------------------|----------------|
| i. | Standard Plate Count/TPC | ≤ 30,000 cfu/g |
| ii. | Salmonella | Absent/25g |
| iii. | Enterobacteriaceae | < 10 cfu/g |
| iv. | Staphylococcus | < 100 cfu/g |
| v. | Yeast & Mold | ≤ 100 cfu/g |

TABLE-III
HEAVY METALS CRITERIA FOR POWDERED TEA/COFFEE WHITENER

| S. # | Heavy Metals | Max limit |
|------|--------------|-----------|
| 1. | Lead | 2.0 ppm |
| 2. | Arsenic | 0.1 ppm |
| 3. | Cadmium | 1.0 ppm |

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7. PACKING

7.1 The product shall be packed in suitable Food Grade Packaging Material.

8. LABELLING

8.1 In addition to provisions specified in PS:1485 for Labelling of Prepackaged Foods.

9. MARKING

1. Name and Type of the Product.
2. Name and Address of the Manufacturer.
3. Batch or Code Number.
4. Date of Manufacture and Expiry.
5. List of Ingredients.
6. It shall be written in *URDU* language "YEH DOODH NAHIN, SIRF CHAI MEIN ESTIMAL KAY LIYE (یہ دودھ نہیں، صرف چائے میں استعمال کے لیے)". This writing shall be legible in contrast with the background.
7. It should be declared it is not a milk replacement. (It will appear below the brand name with the same font size as the brand name).
8. Storage Instruction if required
9. Net Weight (average volume principle will be applicable).
10. This Pakistan Standard, PS Mark and License Number.

10. METHOD OF SAMPLING AND ANALYSIS

10.1 See Codex Standard 234-1999.

11. METHOD OF TEST

11.1 The relevant Testing Method of PS, ISO, CAC and of other internationally recognized standard methods may be taken into account for analysis purpose