

**PAKISTAN STANDARD SPECIFICATION  
FOR  
LIQUID 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**

(i)

**PAKISTAN STANDARDS & QUALITY CONTROL AUTHORITY**  
(STANDARDS DEVELOPMENT CENTRE)

---

(AGRICULTURE & FOOD DIVISION)

**MEMBERSHIP LIST OF MILK & DAIRY PRODUCTS TECHNICAL COMMITTEE**

**CHAIRMAN**

- |    |  |  |
|----|--|--|
| 1. | Mr. Zuzzer A. Shamsuddin,<br>Consultant, | Hamilton Courts, Teen Talwar,<br>Main Clifton Road,<br><u>KARACHI.</u> |
|----|--|--|

**MEMBERS:**

- |    |   |   |
|----|---|---|
| 2. | Govt. Public Analyst                    | Food Laboratory,<br>24-Cooper Road,<br><u>LAHORE</u>  |
| 3. | Govt. Public Analyst,                   | Directorate General Health Services<br>Sindh Old Building, Wahdat Colony<br><u>HYDERABAD.</u> |
| 4. | Govt. Public Analyst,                   | Food Laboratory<br>Phase V, Hayatabad,<br><u>PESHAWAR</u>                                     |
| 5. | Surgeon General,                        | AGS Br. (Med Dte).<br>G.H.Q.,<br><u>RAWALPANDI</u>  |
| 6. | Mrs. Kishwar Shabina<br>Public Analyst, | KMC Food Laboratory<br>Jigar muradabadi Road<br><u>KARACHI.</u>                               |
| 7. | Govt Public Analyst                     | Food Laboratory<br>Govt of Balochistan<br><u>QUETTA.</u>                                      |
| 8. | Director General,                       | Agriculture Research Systems,<br>Khayber Pukhtoonkhua,<br><u>PESHAWAR</u>                     |
| 9. | Chief Nutrition                         | National Institute of Health,<br><u>ISLAMABAD.</u>  |

## (ii)

- 10 Mr. Iftikhar Ahmad,  
Quality Assurance Manager, Haleeb Foods Limited,  
135-Ferozpur Road,  
LAHORE.
- 11 Assistant Director, Remount Veterinary Farms,  
8<sup>th</sup> Liaquat Barracks, Log Area,  
KARACHI.
- 12 Director, Livestock Products Research Institute,  
Bahadurnagar,  
OKARA
- 13 Mr. Fairus Hidzir  
Regional Manager (PORIM), 904, 905, 9<sup>th</sup> Floor,  
Chappal Plaza, Hasrat Mohani Road,  
KARACHI.
- 14 Mr. Shahzad Sikandar,  
Corporate Regulatory Affairs  
Manager Nestle Pakistan Ltd,  
308 - Upper Mall  
LAHORE.
- 15 Chairman Department of Food Science &  
Technology, University of Karachi  
KARACHI.
- 16 Dr. Muhammed Nasir  
Regulatory & Scientific Affairs Manager, Engro Foods (Pvt) Ltd.,  
KARACHI.
- 17 Dr. Omer Mukhtar Tarar,  
S.S.O PCSIR Laboratories Complex,  
KARACHI
- 18 Managing Director, Kabirwala Dairy Ltd, 40-A/B,  
Off Zafar Ali Road,  
Gulberg-II,  
LAHORE.
- 19 Mr. Naeem Shahid,  
Chief Executive Halaal Foundation,  
Jamia-tur-Rashid  
KARACHI
- 20 Secretary, Dairy Farmers Association,  
4/90, Cattle Colony, Landhi,  
KARACHI.

## (iii)

- 21 Director General (Research), Livestock & Dairy Development,  
Punjab, Ghazi Road,  
KARACHI.
- 22 Chemical Promotion Officer, Merck Marker (Pvt.) Ltd ,  
D – 7, Shaheed-e-Millat Road,  
KARACHI.
- 23 Chairman, Pakistan Dairy Association (Pvt.) Ltd.,  
LAHORE.
- 24 Quality Assurance Manager, Millac Foods (Pvt.) Ltd.,  
KARACHI
- 25 Mr. Ammar Akram Qureshi,  
Assistant Manager Regulatory  
Affairs, Unilever Pakistan (Pvt) Ltd.,  
Ayan Hotel Plaza  
Fatima Jinnah Road  
KARACHI
- 26 Mr. Sohail Anwar,  
General Manager Regulatory Affairs, Qarshi Industries Ltd.,  
Hattar (KPK)  
KARACHI
- 27 Director, Quality Control Centre,  
PSQCA Complex Gulistan-e-Jouhar,  
KARACHI
- 28 Director, Standards Development Centre,  
CA – PSQCA Complex Gulistan-e-Jouhar,  
KARACHI

**SECRETARIATE:**

1. Mr. Naseem-us-Sami,  
Deputy Director (Agri. & Food) &  
Secretary to the Committee, Standards Development Centre,  
PSQCA,  
Karachi.
2. Engr. Lal Muhammad Rajar,  
Examiner (Agri & Food), Standards Development Centre,  
PSQCA,  
Karachi.

(1)

**PAKISTAN STANDARD SPECIFICATION**  
**FOR**  
**LIQUID 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 Liquid Tea 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 and processes shall be in accordance with PS:3733 for Halaal Food Management System Requirements for any organization in the Food Chain.

**1. SCOPE**

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

(2)

**2. TERMINOLOGY**

2.1 For the purpose of this standard, the following definition shall apply.

2.1 Milk or Cream Substitute consisting of vegetable fat and/or milk fat emulsion in water with Milk protein and lactose or vegetable protein for use in beverages like tea and coffee. The product must meet the composition requirements given in Table-I.

**3. REQUIREMENTS**

3.1 The product shall be free from extraneous matters, added colors.

3.2 It shall contain not less than 6.5 percent of milk fat or vegetable fat and it shall contain not less than 3 percent of Milk Solids (Non Fats (MSNF))

3.3 It may contain permissible food additives, sugar(s) and flavours.

3.4 Hydrogenated and partially hydrogenated vegetable fat must not be used in Liquid Tea Whitener

3.4.1 It shall be homogenized, pasteurized, and/or sterilized/UHT.

**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 the PS:3944 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).

(3)

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

**TABLE-I**  
**REQUIREMENTS OF LIQUID TEA/ COFFEE WHITENER**

S #	CHARACTERISTIC	REQUIREMENT
i.	Milk Fat and/or Vegetable Fat percent, Min	6.5
ii.	Milk Solids Non fat (MSNF) percent, Min.	3.0

**TABLE-II**  
**HEAVY METALS REQUIREMENTS OF LIQUID TEA/ COFFEE WHITENER**

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

6. **PACKING**

6.1 The product shall be packed in suitable food grade packaging material.

7. **LABELLING**

7.1 In accordance with PS:1485 for Labeling of Prepackaged Foods.

8. **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 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).
7. 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.
8. Storage Instruction, if required.
9. Net Weight (average volume principle will be applicable).
10. This Pakistan Standard, PS Mark and License Number.

**9. METHOD OF SAMPLING AND ANALYSIS**

See Codex Standard 234-1999.

**10. METHOD OF TEST**

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

---

only for research purposes  
not for sale  
copyright [www.psqca.com.pk](http://www.psqca.com.pk)