PRODUCT SPECIFICATION

Anhydrous Milk Fat (AMF)

Source date: 12 Aug 2026 | Source issue: 1 / 01 Jan 2026

Analytical Specification

Item	Specification
Organoleptic Evaluation	
Flavour and Odour	Good
Appearance and Colour	St. yellow to yellow
Chemical Analysis	
Milk Fat (m/m)	≥99.9%
Moisture (m/m)	≤0.1%
Free Fatty Acid as Oleic Acid (% by mass)	≤0.3%
Butyro Refractometer Reading at 40°C	40–43
R.M. Value	≥26.0
Mineral Oil Test (% by mass)	Negative
Baudouin Test	Negative
Polenske Value (P. Value)	1.0–2.0
Saponification Value	225–235
Density at 40°C (kg/m³)	900–912
Peroxide Value (meq O_2/kg)	≤0.3
Iodine Value (g-Iod/100 g)	29–39
Melting Point	30–36°C
Heavy Metals	
*Lead (as Pb) (mg/kg)	≤0.02
*Arsenic (as As) (mg/kg)	≤0.5
*Cadmium (as Cd) (mg/kg)	≤1.0
*Mercury (as Hg) (mg/kg)	≤0.05
*Tin (as Sn) (mg/kg)	≤250.0
*Copper (as Cu) (mg/kg)	≤30.0

Organoleptic and chemical test method: FSSAI Manual Milk & Milk Products. Heavy metals: IS16913:2018.

* Periodically tested. Appearance wording is retained as stated in the source specification.

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Microbiology, Product Information and Handling

Item	Specification
Microbiological Analysis	
Total Bacterial Count (CFU/g)	1,000 Method: IS 5402 (P-1:2012)
Coliform Count (CFU/g)	≤10 Method: IS 5401 (P-1):2012
E. coli (CFU/g)	Absent Method: IS 5887 (P-1):1976RA
Salmonella (/25 g)	Absent Method: ISO 6579-1-2017
Yeast and Moulds (CFU/g)	≤10 Method: IS:5403
S. aureus (CFU/g)	≤10 Method: IS:5887:2002
Listeria monocytogenes (CFU/125 g)	Absent Method: IS:14988:2001
Other Analysis	
*Aflatoxin M-1 (µg/kg)	≤0.05 Method: HPLC
Product Information	
Product Description	Milk-based dairy product in its purest form, providing an efficient and economical means of transporting and storing butterfat. White to light yellow, with a clean, bland taste, free from sour, bitter, rancid, oxidized or other objectionable flavours. Intense heat treatment is not used in manufacture; consequently, AMF lacks heated butter flavours.
Ingredient	Milk (Pasteurized Cream)
Country of Origin	India
Packing	
Style	200 kg drum
Material	Food-grade M.S. drum, epoxy coated
Net Content	200 kg
Label	According to destination-country requirements
Storage and Shelf Life	
Storage Conditions	May be transported and stored without refrigeration. Storage life depends on the storage temperature.
Shelf Life	24 months from manufacture when stored in a cool, dry place at 20°C ± 2°C.

* Periodically tested. Total bacterial count is shown as 1,000 CFU/g without adding a limit symbol absent from the source.

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Allergens, Nutrition and Product Declarations

Item	Specification
Allergen Information	
Cereals Containing Gluten and Their Products	Absent
Crustaceans and Their Products	Absent
Egg and Egg Products	Absent
Fish and Their Products	Absent
Lupin and Lupin Products	Absent
Milk and Milk Products	Present
Peanuts and Peanut Products	Absent
Soybeans and Soybean Products	Absent
Added Sulphites (≥10 mg/kg)	Absent
Tree Nuts and Sesame Seeds and Their Products, Other Than Coconut from Cocos nucifera	Absent
Nutritional Information (Approximate, per 100 g)	
Energy (kcal)	899.1
Protein (g)	0
Carbohydrate (g)	0
Sugar (g)	0
Anhydrous Milk Fat (g)	99.9
Saturated Fat (g)	66.97
Monounsaturated Fat (g)	26.98
Polyunsaturated Fat (g)	2.89
Trans Fat (g)	2.95
Product Declarations	
Melamine	Free from melamine
Pasteurization	According to FSSAI or Indian standards
GMO Status	Ingredients do not contain GMOs, as per FSSAI
Radioactive Contamination	Demonstrated free
Dioxin Contamination	Demonstrated free
Heavy Metals	Meets Codex standard
Pesticides	Meets Codex standard

Allergen categories follow the Indian food standards code in the supplied specification.

Specification values and declarations are transcribed from the supplied product specification.

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