



# UN RATIONS STANDARD

DATE: 01/08/2016

## DAIRY MILK EVAPORATED WITHOUT SUGAR

ED Nº: 02

CODE: UNSTD-COM 1155

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### PRODUCT RISK

LOW	MEDIUM	HIGH
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### 1. PRODUCT NAME

Evaporated milk without Sugar

### 2. DESCRIPTION

Cow's milk product obtained by partial removal of water from milk. No sugar added. Raw milk must be subjected to heat treatment, at least equivalent to a pasteurization process, in any moment of the production. The fat and/or protein content of the milk may have been adjusted, only to comply with the chemical requirements (Section 5 of this Standard) by the addition and/or withdrawal of milk constituents in such a way as not to alter the whey protein to casein ratio of the milk being adjusted. The product is hermetically sealed in can and commercially sterile.

### 3. INGREDIENTS

#### 3.1. ESSENTIAL INGREDIENTS

##### INGREDIENT

Cow's milk

#### 3.2. OTHER PERMITTED INGREDIENTS

##### INGREDIENT

##### PERCENTAGE

**Milk retentate:** Product obtained concentrating milk protein by ultrafiltration of milk.

To comply with chemical criteria

**Milk permeate:** Product obtained by removing milk proteins and milkfat from milk.

To comply with chemical criteria

Milk Cream

To comply with fat percentage

Lactose

To comply with technical criteria

Permitted additives

See Codex General Standard for Food Additives (GSFA) Database and where permitted, only those individual additive(s) indicated for the product shall apply and only within the limits specified.

### 4. MICROBIOLOGICAL CRITERIA

#### Food Safety Parameters

#### MAXIMUM LIMITS

*Listeria monocytogenes*

m=Absent in 25 g.

*Salmonella* spp.

m=Absent in 25 g.

*Clostridium botulinum*

n=5, c=0, m= Absent in 25 g

#### Hygiene Parameters

#### MAXIMUM LIMITS

Total *enterobacteriaceae*

n=5, c=2, m= 0 cfu/g, M=5 cfu/g

*Staphylococcus aureus*

n=5, c=1, m=0 cfu/g, M=5 cfu/g

### 5. CHEMICAL CRITERIA

#### SAFETY PARAMETERS

#### MAXIMUM LIMITS

Aflatoxin M1

≤0.5µg/kg

#### QUALITY PARAMETERS

#### LIMITS

Milk fat content

> 7.5%



Milk Solids	> 25%
Milk Protein in Milk Solids non-fat	> 34% (expressed on fat free dry matter)
Lactate	≤ 0.03 % (expressed on fat free dry matter)

**6. PHYSICAL CRITERIA**

<b>PARAMETER</b>	<b>LIMITS</b>
Storage Temperature	Ambient
Texture	Semi-liquid consistency.
Odour or flavour	Fresh and free of foreign odours.
Colour	Light cream or yellowish.
Foreign matter	Free from any macroscopic impurity.

**7. NUTRITION FACTS (Approximate values per 100 grams)**

<b>NUTRIENTS</b>	<b>AMOUNT PER 100 g OF PRODUCT</b>
Energy	135 Kcal
Proteins	6.8 g
Carbohydrates	10.0 g
Fats	7.6 g

**8. PACKAGING**

<b>PARAMETER</b>	<b>LIMITS</b>
Primary packaging	Can (food grade).
Secondary packaging	Corrugated paper box or packing that protects integrity of the primary packages, and withstands the rigors of transport and handling.
Primary packaging net weight	Up to 1 Lt.
Warranty at deliver location	4 months

**9. LABELLING**

- UNSTD- GEN-02 "UN Product labelling"

**10. OTHER REQUIREMENTS**

- CODEX CAC/RCP 57-2004: "Code of Hygienic practices for milk and milk products"
- UNSTD-GEN-01: "Contaminant levels"
- UNSTD-GEN-03: "UN Inspection"
- UNSTD-GEN-04: "UN Certification"