

GRANNEX LTD.

DEMETRI STAVROU 1, LATSIA 2224, NICOSIA - CYPRUS
VAT: 10370471L | Email: info@grannex.com

PRODUCT SPECIFICATION & TECHNICAL DATA SHEET

Product Name: UNSALTED BUTTER 82.5% FAT, CARTON CASE 25KG
Packing: 25 kg carton case net with polyethylene packet
Regulatory Standard: DSTU 4399: 2005 Sweet butter. Technical specifications
Ingredients: 100% Pasteurized natural cream (with a mass fraction of fat 20% through 25%)

STORAGE CONDITIONS & SHELF LIFE

Storage conditions and shelf life maintained at a relative humidity of not more than 80%, depending on the temperature profile:

- From -18°C to -11°C included: max. 18 months
- From -10°C to -5°C included: max. 12 months
- From -5°C to 0°C included: max. 6 months
- From 0°C to 4°C included: max. 4 months

NUTRITION VALUE PER 100G OF THE PRODUCT

Nutrient / Indicator	Value per 100g
Energetic Value	3075 kJ / 748 kcal
Fats	82.5 g
- incl. saturated	53.6 g
Carbohydrates	0.8 g
- incl. sugar	0.8 g
Proteins	0.5 g
Salt	0.04 g

ORGANOLEPTIC INDICATORS

Indicator Name	Characteristics
Consistency	Homogenous, plastic, solid throughout the mass, the surface on the cut is shiny or slightly shiny, dry in appearance or with the presence of single small droplets of moisture.
Color	From white to yellow, uniform throughout the mass.
Taste and Flavor	Pure, well-defined, with a racy flavor of pasteurization. Considered acceptable: insufficiently pronounced creamy, weedy.

PHYSICOCHEMICAL INDICATORS

Indicator Name	Specification
Mass fraction of total fat, %, (min.)	82.5
Moisture, %	16
Milk solids non-fat, %	1.5
Titrated acidity of plasma, °T, (max.)	23
pH of plasma, (min.)	6.25
Adulteration with non-milk fats	Not allowed

MICROBIAL INDICATORS

Microbial Indicator	Specification
Quantity of mesophilic aerobic and facultative anaerobic microorganisms, CFU/g, (max.)	1.0×10^5
Bacteria of the group of coliform bacteria (coliforms), not allowed in the mass of a product, g	0.01
Fungi yeasts and molds, CFU/g, (max.)	100 in total
Pathogenic microorganisms, incl. Bacteria of the genus Salmonella, not allowed in the mass of a product, g	25
Listeria monocytogenes, not allowed in the mass of a product, g	Absent in 25
S. aureus, not allowed in the mass of a product, g	1.0

SAFETY INDICATORS & TOXIC ELEMENTS

Toxic Elements	Maximum Limit (mg/kg)
Lead	0.1
Cadmium	0.03
Mercury	0.03
Arsenic	0.1
Zinc	5.0
Copper	0.5
Iron	5.0

Pesticides & Mycotoxins (mg/kg)

- **DDT (on fat basis):** 1.0
- **HCCH (gamma isomer):** 0.2
- **Aflatoxin B1:** 0.001
- **Zearalenone:** 0.0005

Radionuclides (Bq/kg)

- **Caesium-137:** 100
- **Strontium-90:** 20

Alarm Levels of Antibiotics (U/g, max.)

- **Tetracycline group:** 0.01
- **Penicillin:** 0.01
- **Streptomycin:** 0.5

ADDITIONAL SAFETY INFORMATION & ALLERGENS

GMO Status: GMO free.

Allergens (according to EU Directive 2003/89/CE and Regulations (EU) No 1169/2011):

The product contains the following allergens:

1. Milk protein lactoglobulin (A and B)
2. Lactose