

LLC «Imperia zhyriv»	PRODUCT SAFETY MANAGEMENT SYSTEM	Examination: 00
	SPECIFICATION	crop. 1 з 3
	Table margarine «LOREN Universal 82%»	Change 1/Date: 16.12.2019 Act: Active.

GENERAL DESCRIPTION:

Table margarine «LOREN Universal 82%» is a mixture of vegetable oils and fats.

The product is ready for consumption, intended for the manufacture of floury, bakery products, shortbread biscuits of various kinds, shortcake semi-finished products, cakes and other confectionery products (rich, sugary, custard cookies, etc.).

It meets the requirements of DSTU (State Standard of Ukraine) 4465:2005 «MARGARIN. General Technical Specifications».

Ingredients: vegetable oils and fats (palm, including its fractions, sunflower) in variable proportions; prepared drinking water; emulsifiers (distilled mono- and diglyceride of fatty acids, soy lecithin); preservative: sorbic acid, sodium benzoate; acidity regulator: citric acid; salt (0.3%), flavoring identical to natural; food colour: β -carotene.

GENERAL REQUIREMENTS:

Quality and Legislation

The raw materials used to produce the product must comply with the requirements of the legislation of Ukraine or the Codex Alimentarius. If the requirements of the country where the product is exported or the consumer's requirements are more stringent, more stringent requirements prevail.

The finished product according to the safety indicators must meet the legal requirements of Ukraine. If the requirements of the country where the product is exported or the consumer's requirements are more stringent, more stringent requirements prevail.

ORGANOLEPTIC INDICATORS

Name of indicator	Characteristic	Control method	Periodicity
Consistence	At the temperature of 20°C (+/-2) Plastic, tight, homogeneous. The cut surface is shiny or slightly shiny.	DSTU 4463	Each party
Colour	From light yellow to yellow. Homogeneous throughout the mass.	DSTU 4463	Each party
Taste and smell	Pure, with a taste and smell of added aromatic additives.	DSTU 4463	Each party

PHYSICAL AND CHEMICAL INDICATORS

Name of indicator	Aim	Control method	Periodicity
Mass fraction of fat, %, not less than	82	DSTU 4463	Each party
Mass fraction of moisture and volatile matter, %, not more than	17,89	DSTU 4463	Each party
Mass fraction of dry skimmed residue, %, not less than	0,1	DSTU 4463	Selective party, but not rarely then

	Post	Surname, name	Date	Signature
Worked out by	Head of Quality Services	Lutsenko O.	16.12.2019	
Agreed by	Chief technologist	Rubchuk O.V.	16.12.2019	
Approved by	General director	Marynenko O.M.	16.12.2019	



LLC «Imperia zhyriv»	PRODUCT SAFETY MANAGEMENT SYSTEM		Examination: 00
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			once every 10 days
Mass fraction of salt, %, not more than	1,5	DSTU 4463	Each party
Acidity, Kattstorfer, no more than	2,5	DSTU 4463	Each party
Peroxide value in fat isolated from margarine, ½O mmol/kg, not more than	10	DSTU 4463	Selective party, but not rarely then once every 90 days
The content of solid triglycerides at 20°C, %	17-28	DSTU 4463	Each party
pH of the water-milk phase, pH units	4,2-5,5	DSTU 4463	Each party
Preservative mass fraction (joint use), mg/kg, not more than	800	DSTU 4463	Selective party, but not rarely then once every 90 days
The melting point of fat isolated from margarine, °C	25,0-38,0	DSTU 4463	Each party
Mass fraction of oleic acid transisomers in terms of methylelaidate, % not more	<2	DSTU 4465:2005 – it does not normalize	At customer's request

MICROBIOLOGICAL INDICATORS

Name of indicator	Permissible limits	Control method
Bacteria of the Escherichia coli group in 0,01g	Not permissible	DSTU 7357:2013
Pathogenic, in particular bacteria of the genus Salmonella in 25g	Not permissible	Sanitary rules and regulations 42-123-4940
Yeast, CFU/g	1*10 ³	DSTU 8447:2015
Mold fungi, CFU/g	1*10 ²	DSTU 8447:2015

CONTENTS OF TOXIC ELEMENTS, PESTICIDES AND MYCOTOXINS

Safety indicators	Aim	Control method	Periodicity
<u>Toxic elements, mg/kg, not more than:</u> Mercury Iron Arsenic Copper Plumbum Cadmium Zinc	0,05 5,0 0,1 1,0 0,1 0,05 10,0	According to the methods approved in established procedure	Once a quarter
<u>Mycotoxins, mg/kg, not more than:</u> Aflotoxin B1 Zearalenone	0,005 1,0		Once every half a year
<u>Content of radionuclides, Bq/kg, not more than</u> Cesium -137	100		

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Strontium -90	30		
<u>Pesticide content, mg/kg, not more than:</u> Aldrin, heptachlor, metaphos DDT HCH gamma isomer	are absent 0,1 0,05		Once a quarter

Nutritional and energy value of 100 g of product:

Nutritional value	of 100g
Energy value	3116kJ/742kcal
Fats	82g
- including saturated	16g
Carbohydrates	0g
-including sugars	0g
Proteins	0g
Solt	0g

PACKING, STORAGE

Index	Requirements
Type of packing	Monolith in a box of corrugated cardboard with a total weight of 5 kg - 20 kg
Storage conditions	In storage rooms or refrigerators at a temperature of 0 ° C to 8 ° C and a relative humidity of not more than 80% with constant air circulation. It is not allowed to be stored with products that have a specific smell.
«Best before ...»	Manufacture day +239= 240days

MARKING

Markings are made in Ukrainian according to DSTU 4465:2005 "MARGARIN. General specifications», Law of Ukraine "On information for consumers on food" and other legislative acts.

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