Version: 01-01-2025

SPECIFICATION №91/1 on product:

Table margarine «82%»

(batch number «PEU»)

Normative document: DSTU 4465:2005

Application: used in the bakery, confectionery, culinary, food concentrate and canning industries, in home cooking, in the restaurant chain and in other branches of the food industry.

The product does not contain partially and/or fully hydrogenated fats.

Ingredients: vegetable oils refined bleached deodorized: palm oil and its fractions, sunflower oil in variable proportions, drinking water, food salt, emulsifiers: distilled monoglyceride (E471), polyoxyethylene (20) sorbitan monooleate (E433), sunflower lecithin (E322(i)), preservative potassium sorbate (E202), acidity regulator citric acid (E330), flavoring «Butter», food coloring beta-carotene (E160a(i)).

1. ORGANOLEPTIC CHARACTERISTICS:

Name of characteristics	Description	Method of control	Periodicity of control
Consistence at temperature (20±2)°C	Homogeneous, plastic, dense, ointment consistence is allowed. The surface of the cut is shiny or slightly shiny, it is allowed to be matte, dry in appearance	DSTU 4463	Each batch
Color	From light yellow to yellow, homogeneous in a whole mass	DSTU 4463	Each batch
Taste and odor	Taste and smell clean, creamy or dairy-cream inherent in the flavor that is used. Foreign tastes and odors are not allowed	DSTU 4463	Each batch

2. PHYSICAL AND CHEMICAL CHARACTERISTICS:

Characteristic, unit	Data	Method of control*	Periodicity of control
Melting point, °C	35-39	DSTU EN ISO 6321	Each batch
Peroxide value in the fat extracted from margarine, ½ O mmol/kg, max: - in production	1,0	DSTU EN ISO 3960	Each batch
Moisture and volatile matters, %, max	17,93	DSTU ISO 662	Each batch
Mass fraction of salt, %, max	0,3	DSTU 4463	Each batch
Acidity, °Kettstorfer, max	2,5	DSTU 4463	Each batch
Mass fraction of trans-isomers content in fat extracted from margarine, %, max	2,0	DSTU ISO 15304	Each batch
Solid fat content, %, at temperature:			
10 °C	39-48		
20 °C	18-26	DSTU EN ISO 8292-1	Each batch
30 °C	7-13		
35 °C	≤8		

Note 1. According to DSTU 4465:2005 «Peroxide value» at the end of the shelf life is not more -10.0 % O mmol/kg.

^{*}Equivalent method maybe used at different production sites.



3. NUTRITIONAL VALUE PER 100 g OF PRODUCT:

Characteristic, unit	Data	Target value	The value in the fat extracted from margarine, %
Fats, g, of which:	≥82,0	82,0	100
saturated fatty acids	31-41	36	38-50
mono-unsaturated fatty acids	18-29	24	23-35
poly-unsaturated fatty acids	17-27	22	21-33
including lauric fatty acid (C12)	0,82	<1,0	1,0
Carbohydrates, g, of which:	0	0	-
sugars	0	0	-
Proteins, g	0	0	-
Salt, g	0,3	0,3	-
Energy value (calories):		-141	
кJ	3034	3034	-
kcal	738	738	-

4. MICROBIOLOGICAL CHARACTERISTICS:

Name of characteristics, unit	Data	Method of control	Periodicity of control
Coliforms, in 0,01 g	not allowed	DSTU 7357, DSTU 8535, DSTU ISO 4831, GOST 30518	
Salmonella spp, in 25 g	not allowed	DSTU EN 12824 DSTU FprEN ISO 6579-1 DSTU CEN ISO/TS 6579-2 DSTU ISO/TR 6579-3	Once in 2 months after production
Mould, CFU/g, max	$1 \cdot 10^{2}$	DSTU ISO 7954, DSTU 8447,	
Yeasts, CFU/g, max	$1 \cdot 10^{3}$	DSTU 8535	

5. SAFETY CHARACTERISTICS:

Name of characteristics	Maximum allowable levels	Method of control	Periodicity of control
Mass fraction of toxic elements, mg/kg, n	nax:		
Lead	0,1	According to the methods approved in the established order	Once in 3 months in ready products
Mass fraction of pesticides, mg/kg, max:			W
hexachlorocyclohexane (α, β, γ-isomers)	0,05	A 1: , , , , , , , , , , , , , , , , , ,	Once a year in raw material
DDT	0,1	According to the methods	
heptachlor	not allowed	approved in the established order	
Mass fraction of mycotoxins, µg/kg, max	•		
Aflatoxine B1	2,0	A conding to the mostle of	On demand
Total amount of aflatoxin B_1 , B_2 , G_1 and G_2	4,0	According to the methods approved in the established order	
Mass fraction of radionuclides, Bq/kg, m	ax:		
Cesium-137	100	According to the methods	Once a year in
Strontium-90	30	approved in the established order	ready products



Name of characteristics	Maximum allowable levels	Method of control	Periodicity of control		
Mass fraction of dioxins and PCBs:					
sum of dioxins (WHO-PCDD/F-TEQ), pg/g fat, max	0,75				
sum of dioxins and dioxin-like PCBs (PCBS/WHO-PCDD/F-PCB-TEQ), pg/g fat, max	1,25	According to the methods approved in the established order	Once a year in ready products		
sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 (ICES-6), ng/g fat, max	40				
Polycyclic aromatic hydrocarbons, µg/kg	g, max:		Dr.		
Benzo(a)pyrene	2,0	According to the methods	Once a year in ready products		
Sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene	10,0	approved in the established order			
Melamine and its structural analogues, n	ng/kg, max:				
Melamine	2,5	According to the methods approved in the established order	Once a year in ready products		
Natural plant toxins, g/kg max:					
Erucic acid, including erucic acid bound in fat	20,0	According to the methods approved in the established order	Once a year in ready products		
The sum of fatty acid esters of 3-monoch acids in terms of glycidylol, μg/kg, max:	loropropanediol, e		esters of fatty		
Content of 3-MCPD fatty acid esters	2500	According to the methods During the methods			
Content of glycidylol fatty acid esters**	1000	approved in the established order	production process		

^{**} It is possible to determine the indicator "Content of glycidol fatty acid esters" at the request of the customer according to the approved methods at the enterprise.

6. ALLERGEN LIST:

Ingredients containing Allergens	Contained in the product (YES / NO)	Present at the production (YES / NO)	
Cereals containing gluten and products there of	NO	NO	
Crustaceans and products there of	NO	NO	
Eggs and products there of	NO	NO	
Fishes and products there of	NO	NO	
Peanuts and products there of	NO	NO	
Soya and products there of	NO	NO	
Nuts and products there of	NO	NO	
Milk and products there of (including lactose)	NO	NO	
Celery and products there of	NO	NO	
Mustard and products there of	NO	NO	
Sesame seeds and products there of	NO	NO	
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂ (E220-E228)	NO	NO	
Lupin and products there of	NO	NO	
Molluscs and products there of	NO	NO	

7. PACKAGING:

The product is packed in corrugated boxes with polyethylene liner, with a net weight of 10 kg, 20 kg.

8. STORAGE AND TRANSPORTATION:

Shelf life for packaged products and storage conditions:	It is better to consume until the end of the period from the date of production, at temperature: from minus 20 °C to 0 °C incl. – 18 months, from 0 °C to +10 °C incl. – 12 months, from +10 °C to +25 °C incl. – 9 months, store in warehouses with permanent circulation of air or refrigerators at a relative humidity not more than 80%. Table margarine «82%» is stored separately from other products that have a strong specific odor.
Conditions of	In compliance with sanitary and hygienic standards in clean, closed and dry
transportation	vehicles, without foreign odors, in accordance with the rules for the transportation of goods applicable to this type of transport

Additional information: Table margarine «82%» during production is not subject to the influence of ionizing radiation, raw materials and ingredients of animal origin are not using.

According to Annex 1 to the Law of Ukraine No2639-VIII dated 06.12.2018 «On Consumer Information on Food», the product is not an allergen.

Market operator – LLC «Delta Wilmar Ukraine»; address of production capacity - 6, Industrialna str., Pivdenne, Odesa district, Odesa region, 65481, Ukraine.

Product doesn't contain GMO.

Final specification for product is subject to Contractual Agreement.

LLC «Delta Wilmar Ukraine»	Position	First name/Last name	Signature	Date
Developed:	Technologist	Inna PALAMARCHUK	Mill	01-01-2025
Agreed:	Chief technologist	Svitlana KULINICH	(Red)	01.01.2025
	Commercial director	Ruslan ZAGREBELNIY	M	01.01.2025
	Head of Laboratory	Tetyana RADENKO	1 gry	01.06. 2025
	Leading microbiologist	Inna KASIANCHUK	917 -	01.01.2025