State enterprise "Cherkassky Scientific and Production Center of Standardization, Metrology and Certification"
(SE "Cherkasy Standard Metrology")
(Ukraine, 18002, Cherkasy region, Cherkasy city, Goholya street, building 278)

Testing center

ACCREDITED BY THE NATIONAL ACCREDITATION AGENCY OF UKRAINE IN ACCORDANCE WITH DSTU EN ISO/IEC 17025/2019 (EN ISO/IEC 17025/2017,IDT;ISO/IEC 17025/2017,IDT)
Accreditation certificate №20632 from 02.04.2023

20632
ДСТУ ISO/IEC 17025

Testing laboratory
Food products and products of light industry
(18002, Cherkasy region, Cherkasy city, Goholya street, building 278 тел. (0472) 332698,тел. (0472) 543898 e-mail: lab@st.ck.ua,lab-cherkassy@ukr.net)

"APPROVE"

Head of TC

SE "Cherkasy Standard Metrology"

S.A. Sotnik

16.08.2024

PRODUCT TEST PROTOCOL
№ 1608/24-ВЦ/1 from 16.08.2024

The test made for demand of: "OE SLOBOZHANSKY PRODUCT" LLC, 61145, Kharkiv region,Kharkiv, st. Klochkovskaya 174,

Name of test object and registration number:
1608 Margarine Creamy 82% fat, date of manufacture 13.08.2024.

Producer: OE SLOBOZHANSKY PRODUCT" LLC

The purpose of the tests: Testing of product samples for compliance with requirements DSTU 4465:2005 "Margarine. General technical conditions"

More information: Samples are selected by the customer. test request from 14.08.2024

УКРАЇНА
ТОВАРИСТВО З ОБМЕЖЕНОЮ ВІДПОВІДАЛЬНІСТЮ "ВП СЛОБОЖАНСЬКИЙ ПРОДУКТ" код 38772823
місто Харків

Digitally signed by Celebi Nicolae
Date: 2025.05.30 10:09:58 EEST
Reason: MoldSign Signature
Location: Moldova
MOLDOVA EUROPEANĂ

The date of delivery of the sample to the laboratory: 14.08.2024

The samples arrived at TL in a condition suitable for testing

Test period: from 14.08.2024 to 16.08.2024

Test results

№1608

Name of parameter	RD of control methods	The value of the parameter according to RD,	Result of testing	Measurement uncertainty	Mark of conformity
Mycotoxins					
Mass fraction of aflatoxin B1, mg/kg	МВ ВЦ-20-22 it.9.2	No more 0,005	less than 0,002*	-	Correspond
Mass fraction of zearalenone, mg/kg	МВ ВЦ-20-22 it.9.8	No more 1,0	less than 0,025*	-	Correspond
Pesticides					
HCGC gamma isomer,mg/kg	EN 1528-2:1996, EN 1528-3:1996, EN 1528-4:1996, МВ ВЦ-44-22	No more 0,05	less than 0,001*	-	Correspond
Heptachlor, mg/kg	EN 1528-2:1996, EN 1528-3:1996, EN 1528-4:1996, МВ ВЦ-44-22	Not allowed	Not found (less 0,001*)	-	Correspond
DDT ,mg/kg	EN 1528-2:1996, EN 1528-3:1996, EN 1528-4:1996, МВ ВЦ-44-22	No more 0,1	less 0,002*	-	Correspond
Trans-isomers of oleic acid					
Mass fraction of trans isomers oleic acid in recalculation to methyl elaidate, %	ДСТУ ISO 5508-2001	No more 8,0	0,4	U=±0,1	Correspond (p=0,99)
Radionuclides					
Specific activity of the radionuclide ^{137}CS,bk/kg	method for measuring the specific (volumetric) activity of radionuclides in counting samples of objects of technological and natural environments, Kyiv, 2011	No more 100	6,6	U=+-2,6	Correspond (p=0,99)
Specific activity of the radionuclide ^{90}Sr, bk/kg	МІ 12-08-99	No more 30	6,1	U=+-2,4	Correspond (p=0,99)
Toxic elements					
mass fraction of iron mg/kg	ГОСТ 30178-96, ДСТУ 7670:2014	No more 5,0	1,56	U=+-0,64	Correspond (p=0,99)
mass fraction of cadmium, mg/kg	МВВ № 081/12-0251-05	No more 0,05	less than 0,001*	-	Correspond
mass fraction of copper mg/kg	ГОСТ 30178-96, ДСТУ 7670:2014	No more 1,0	0,25	U=+-0,11	Correspond (p=0,99)

Name of parameter	RD of control methods	The value of the parameter according to RD,	Result of testing	Measurement uncertainty	Mark of conformity
Arsenic content, mg/kg	ДСТУ ISO 2590:2004, it.6.3.2; МВ ВЦ-07-22 (ГОСТ 26930-86, ГОСТ 4152-89)	No more 0,1	less than 0,05*	-	Correspond
Mercury content, mg/kg	МВ № 081/12-0270-06	No more 0,05	less than 0,003*	-	Correspond
Lead content, mg/kg	МВ № 081/12-0251-05	No more 0,1	less than 0,01*	-	Correspond
Zinc content, mg/kg	ГОСТ 30178-96, ДСТУ 7670:2014	No more 10,0	2,12	U=±0,85	Correspond (p=0,99)

№1608

Name of parameter	RD of control methods	The value of the parameter according to RD,	Result of testing	Measurement uncertainty	Mark of conformity
Microbiological indicators					
Bacteria of the Escherichia coli group (coliforms) in 1,0 g.	ГОСТ 30518-97	-	Not found	-	-
Yeasts , CFU, in 1,0 g.	ДСТУ 8447:2015	-	Not found (less than 10*)	-	-
The number of mesophilic, aerobic and facultative anaerobic microorganisms CFU in 1,0 g,	ДСТУ 8446:2015	-	less than 10*	-	-
Pathogenic microorganisms, including Salmonella, in 25 g.	Instr. 1135-73 it.37 ДСТУ EN 12824:2004	-	Not found	-	-
Molds, CFU. in 1,0 g.no more	ДСТУ 8447:2015	-	Not found less than 10*	-	-

Conformity assessment is carried out in accordance with the "Rule for making a decision on product conformity to the requirements of regulatory documents" https://st.ck.ua/pr_2022.pdf

The test results apply only to the samples that have been tested.

Note 1. Determination of the mass fraction of toxic elements was carried out:
- lead, cadmium - by the method of atomic absorption with electrothermal atomization (MBB No. 081/12-0251-05);
- mercury - by the atomic absorption method (MBB No. 081/12-0270-06).

Note 2.* limit of determination of the test method.

Responsible for drawing up the protocol:

senior Engineer L.M. Kostiuk