

037559

Quality certificate
№ 19067544 p from 04.01.2024 y.

Supplier: LLC "Delta Wilmar Ukraine"
Product: Sunflower oil refined deodorized winterized mark P
Date of production: 02-03.12.2023.
Batch number (L): L637
Volume 1 piece: 1L
Part number: 080000312414
Car number: NRC538 / V986LG
Sample date: 02.12.2023
Shelf life of a product: Store in closed dark rooms at a temperature from 0 °C to 30 °C - 24 months
Consignee: S R L "MASTER-SHEF" MD-3100, Moldova, mun. Balti, 9, str. Plopilor str-la
Quality Score:
Organoleptic parameters:
Taste and smell: taste of impersonal oil, odorless
Transparency: transparent without siege
Physical-chemical data:

#	Parameters	Units	Standard method	Regulations	Result
1	Acid Value	mg KOH/g	DSTU 4350:2004	Not more than 0,5	0.09
2	Peroxide Value	1/2O mmol/kg	DSTU EN ISO 3960:2019	Not more than 10.0	0.2
3	Color by Lovibond	unit of red	DSTU 4568:2006		1.5
4	Iodine value	g I2/100 g	DSTU EN ISO 3961:2019	125.0 - 145.0	127.4
5	Mass fraction of moisture and volatile matters	%	DSTU ISO 662:2004	Not more than 0,1	0.02
6	Mass fraction of non-fatty impurities	%	DSTU EN ISO 663:2019	Not allowed	Absence
7	Mass fraction of phosphorus-containing substances in terms of stearooleic acid	%	DSTU 7082:2009	Not allowed	Absence
8	Erucic acid	g/kg	DSTU ISO 5508:2001	Not more than 20	0
9	Level of glycidyl fatty acid esters	µg/kg	MP-02152-NL ISO/DIS 18363-4/AOCS Cd 29d	Not more than 1000	150*
10	3-MCPD	µg/kg	MP-02152-NL ISO/DIS 18363-4/AOCS Cd 29d	Not more than 1250	110*
11	Heavy metals (lead Pb)	mg/kg	MP-01445-NL in house method ICP-MS	Not more than 0.10	0.05*
12	Sum of dioxins (WHO-PCDD/F-TEQ)	pg/g	Calculation WHO 2005 (s. Ann.)	Not more than 0.75	0.164*
13	Sum of PCB28, PCB 52, PCB101, PCB138, PCB153, and PCB 180 (ICES-6)	ng/g	Calculation ICES-6	Not more than 40.00	0.8*
14	benzo(a)pyrene	µg/kg	MP-01445-NL in house method ICP-MS	Not more than 2.00	0.1*
15	Sum of Benzo(a)pyrene, Benzo(a)anthracene, benzo(a)fluoranthene and chrysene	µg/kg	MP-01445-NL in house method ICP-MS	Not more than 10.00	<1.0*
16	Sum of dioxins and dioxin-like PCB (WHO-PCDD/F-TEQ)	pg/g	Calculation WHO 2005 (s. Ann.)	Not more than 1.25	*0.303*

*data according to Dr. A VERWEY B.V. (ORDER 681458, date 09/02/2023)

This document is issued in compliance with the food safety and quality requirements established by the EU legislation



Product conform DSTU 4492:2017 Sunflower oil Technical conditions

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