



**Commodities International
Shipping and Survey**



**FOSFA
INTERNATIONAL**

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CISS GROUP UKRAINE LLC
member of **CISS GROUP Pte.Ltd. (Singapore)**
5, Odessa Blv., Ovidiopol district,
Lymanka village, Odessa region, 65037
inspection@ciiss-group.com

CERTIFICATE No.: UA01915

ORIGINAL

QUALITY / ANALYSIS CERTIFICATE

In pursuance of an order received from our principal, requesting us to carry out inspection we hereby confirm as follows:

Description of goods: Crude Sunflower seed oil in bulk, freshly extracted from latest crop sunflower seeds, in bulk

Vessel: MT ORIS MARINE

Quantity: 3200,590 MT

B/L No. & Date: NO. 1 DD 19.04.2025

Shipper: "CRYSTAL ALLIANCE TRADE" LLC
65074, Ukraine, Odesa region, Odesa, st. Kosovska 47, office 204
ON BEHALF OF D.A.M TRADE GROUP LLC

Consignee: M.O. GANDOUR & SONS S.A.L.
P.O. Box 494, Old Saida Road,
Choueifat, Beirut, Lebanon.
Phone: +961 5 433500

Notify address: M.O. GANDOUR & SONS S.A.L.
P.O. Box 494, Old Saida Road,
Choueifat, Beirut, Lebanon.
Phone: +961 5 433500

Port of loading: IZMAIL, UKRAINE

Port of discharge: BEIRUT, LEBANON

Vessel Tanks Nos.: 1C, 2C, 3C, 4C, 1P, 2P, 4P, 1S, 2S, 4S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tanks Nos 1C, 2C, 3C, 4C, 1P, 2P, 4P, 1S, 2S, 4S of MT ORIS MARINE and sealed from vessel's tanks after completion of loading according to FOSFA CONTRACT No.54. One vessel's sample were submitted for analysis to FOSFA approved chemical laboratory. The following results of analysis have been obtained:

Parameter	Method	Specification	Results
FFA (as oleic acid)	ISO 660	basis 1.5% max 2%	0.60
Moisture	ISO 662	0.5% Max	0.19%
Impurities	ISO 663		
Flash Point	ISO 15267	min 250° F (121 deg. C)	no flash
Sediments	ISO 15301	Basis 1.5% max 2%	1.4%
Lecitin expressed as phosphorus	ISO 10540-1:2003	300 ppm max	137 ppm
Wax content	ISO/TS23647:2010	max 1000 ppm	533,3 mg/kg (ppm)





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Test Description	Method	Units	LOQ*	Results
Mineral oil (Hydrocarbons C10-C56)	ISO 17780:2015	mg/kg	20,0	ND, less than 20,0

Test Description	Method	Units	LOQ*	Results
Caproic acid (C6:0)	DSTU ISO 5508-2001	%	0,05	ND, less than 0,05
Caprylic acid (C8:0)		%	0,05	ND, less than 0,05
Capric acid (C10:0)		%	0,05	ND, less than 0,05
Lauric acid (C12:0)		%	0,05	ND, less than 0,05
Myristic acid (C14:0)		%	0,05	0,07
Palmitic acid (C16:0)		%	0,05	6,44
Palmitoleic acid (C16:1)		%	0,05	0,10
Heptadecanoic acid (C17:0)		%	0,05	ND, less than 0,05
Heptadecenoic acid (C17:1)		%	0,05	ND, less than 0,05
Stearic acid (C18:0)		%	0,05	3,58
Oleic acid (C18:1)		%	0,05	29,26
Linoleic acid (C18:2)		%	0,05	59,15
Linolenic acid (C18:3)		%	0,05	0,08
Arachidic acid (C20:0)		%	0,05	0,24
cis-11-Eicosenoic acid (C20:1)		%	0,05	0,14
Eicosadienoic acid (C20:2)		%	0,05	ND, less than 0,05
Behenic acid (C22:0)		%	0,05	0,67
Erucic acid (C22:1)		%	0,05	ND, less than 0,05
Docosadienoic acid (C22:2)		%	0,05	ND, less than 0,05
Lignoceric acid (C24:0)		%	0,05	0,24
Nervonic acid (C24:1)		%	0,05	ND, less than 0,05

*LOQ — limit of quantification.

This certificate is electronically signed and stamped.

DATED: 23rd of APRIL, 2025

**For and on behalf of CISS GROUP Ukraine LLC
Registered Superintendent and Surveyor Member of FOSFA**

