



**Commodities International
Shipping and Survey**



**FOSFA
INTERNATIONAL**

CISS GROUP UKRAINE LLC
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CERTIFICATE No.: SGD00929

ORIGINAL

FATTY ACID COMPOSITION CERTIFICATE

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

Description of goods:	UKRAINIAN ORIGIN CRUDE SUNFLOWER SEED OIL IN BULK
Vessel:	MT MRC MINA
Quantity:	6599,360 MT
B/L No. & Date:	NO. A1-IZMAIL DD 06.03.2023
Shipper:	AVANTAGRO LTD SUITE 1, SECOND FLOOR, SOUND & VISION HOUSE, FRANCIS RACHEL STR., VICTORIA, MAHE, SEYCHELLES ON BEHALF OF VIVACITY MK LLC
Consignee:	TO ORDER
Notify address:	ABALIOGLU YAG SANAYI VE TICARET A.S. 10006/1 SOKAK NO:19 A.O.S.B. CIGLI, IZMIR – TURKEY
Port of loading:	IZMAIL, UKRAINE
Port of discharge:	ALIAGA, TURKEY
Vessel Tanks Nos.:	2P/S, 3P/3S, 4P/S, 5P/S, 6P/S, 7P/S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank 2P/S, 3P/3S, 4P/S, 5P/S, 6P/S, 7P/S of MT MRC MINA and sealed from vessel's tanks after competition 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	Result	LOQ
Caproic acid C6:0, %	ISO 12966-4	< 0.05*	0.05 %
Caprylic acid C8:0, %	ISO 12966-4	< 0.05*	0.05 %
Capric acid C10:0, %	ISO 12966-4	< 0.05*	0.05 %
Lauric acid C12:0, %	ISO 12966-4	< 0.05*	0.05 %
Myristic acid, C14:0, %	ISO 12966-4	0.1	0.05 %
Palmitic acid C16:0, %	ISO 12966-4	6.2	0.05 %
Palmitoleic acid C16:1, %	ISO 12966-4	0.1	0.05 %
Heptadecanoic acid C17:0, %	ISO 12966-4	< 0.05*	0.05 %
cis-10-Heptadecenoic acid C17:1, %	ISO 12966-4	< 0.05*	0.05 %
Stearic acid C18:0, %	ISO 12966-4	3.1	0.05 %
Oleic acid C18:1n9c, %	ISO 12966-4	31.0	0.05 %
Linoleic acid C18:2n6c, %	ISO 12966-4	58.1	0.05 %
α-Linolenic acid (omega3) C18:3n3, %	ISO 12966-4	0.1	0.05 %
Arachidic acid C20:0, %	ISO 12966-4	0.2	0.05 %
cis-11-Eicosenoic acid C20:1, %	ISO 12966-4	0.1	0.05 %
cis-11,14-Eicosadienoic acid C20:2, %	ISO 12966-4	< 0.05*	0.05 %
Behenic acid C22:0, %	ISO 12966-4	0.7	0.05 %
Erucic acid C22:1n9, %	ISO 12966-4	< 0.05*	0.05 %
cis-13,16-Docosadienoic acid C22:2, %	ISO 12966-4	< 0.05*	0.05 %
Lignoceric acid C24:0, %	ISO 12966-4	0.3	0.05 %
Nervonic acid C24:1, %	ISO 12966-4	< 0.05*	0.05 %

*-No analyte at a content above the limit of Quantification was detected
LOQ (Limit of quantification) - is the lowest amount or concentration of analyte in a sample, which can be reliably quantified with an acceptable level of precision and accuracy.

This certificate is electronically signed and stamped.

DATED: 9th of MARCH, 2023

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

