



**Commodities International
Shipping and Survey**



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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.: SGD00917

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 CRUDE SUNFLOWERSEED OIL – IN BULK
Vessel:	MT BARBAROS HAYRETTIN VARDAL
Quantity:	5311,150 MT
B/L No. & Date:	NO. A1-IZMAIL DD 08.02.2023
Shipper:	VIVACITY MK LLC 20200 WEST DIXIE HIGHWAY STE 902 AVENTURA, FL 33180
Consignee:	TO ORDER
Notify address:	KÜÇÜKBAY YAĞ VE DETERJAN SAN. A.Ş. ANKARA CAD .NO 102 POST CODE :35030 BORNOVA ,IZMIR TURKIYE
Port of loading:	IZMAIL, UKRAINE
Port of discharge:	T.C.D.D. ALSANCAK PORT / IZMIR OR ANY MARMARA PORT
Vessel Tanks Nos.:	1P/S, 2P/S, 3P/S, 4P/S, 5P/S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank 1P/S, 2P/S, 3P/S, 4P/S, 5P/S of MT BARBAROS HAYRETTIN VARDAL 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
Myristic acid, C14:0, %	ISO 12966-4	0.1	0.05 %
Palmitic acid C16:0, %	ISO 12966-4	6.3	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	30.4	0.05 %
Linoleic acid C18:2n6c, %	ISO 12966-4	58.7	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 %
Behenic acid C22:0, %	ISO 12966-4	0.7	0.05 %
Erucic acid C22:1n9, %	ISO 12966-4	< 0.05*	0.05 %
Lignoceric acid C24:0, %	ISO 12966-4	0.2	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.

The results of inspection are valid for the time and place of inspection only.

This certificate is electronically signed and stamped.

DATED: 10th FEBRUARY, 2023

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



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