



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.: UA01501

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 OIL
Vessel:	MT BARBAROS ULUC VARDAL
Quantity:	2452,320 MT
B/L No. & Date:	NO. 1 AND 2 DD 27.01.2023
Shipper:	LLC "Ruzh" 69002, Ukraine, Zaporizhia region, Zaporizhia, Soborny Avenue, building 78 ON BEHALF OF D.A.M TRADE GROUP LLC LIMITED LIABILITY COMPANY «METROCITY» 65490, UKRAINE, ODESSA REG., ODESSA AREA, TEPLODAR, AVENUE ENERGETYKIV, BLD. 73, OF. 1 ON BEHALF OF D.A.M TRADE GROUP LLC
Consignee:	PAM YAĞ GIDA VE KIMYA SANAYI VE TICARET LTD STI
Notify address:	PAM YAĞ GIDA VE KIMYA SANAYI VE TICARET LTD STI (TAX NUMBER 720 007 0609) SEKİLİ MAHALLESİ, E-90 KARAYOLU CADDE, NO :19/1 , NIZIP GAZIANTEP 27700, TURKIYE
Port of loading:	IZMAIL, UKRAINE
Port of discharge:	HATAY, DÖRTYOL, GÜNEY WINBA
Vessel Tanks Nos.:	1S, 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 1S, 2P/S, 3P/S, 4P/S, 5P/S of MT BARBAROS ULUC 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 %



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Stearic acid C18:0, %	ISO 12966-4	3.1	0.05 %
Oleic acid C18:1n9c, %	ISO 12966-4	30.7	0.05 %
Linoleic acid C18:2n6c, %	ISO 12966-4	58.2	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	0.2	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	0.3	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.

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

This certificate is electronically signed and stamped.

DATED: 30th of JANUARY, 2023

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



This certificate is issued to any job or services carried out within the GENERAL TERMS AND CONDITION OF BUSINESS printed overleaf. This certificate is not intended to relieve the parties of any relevant sales contract from their contractual obligations. The Company's responsibility under this Certificate is limited to proven negligence and will in no case be more than ten times the amount of the fees.