



**Commodities International
Shipping and Survey**



CISS GROUP UKRAINE LLC
member of **CISS GROUP Pte.Ltd. (Singapore)**
5, Odessa Blv., Ovidiopol district,
Lymanka village, Odessa region, 65037
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CERTIFICATE No.: SGD01297

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 SUNFLOWERSEED OIL, IN BULK
Vessel:	M/T ELIANA
Quantity:	5250,000 MT
B/L No. & Date:	NO. 1 DD 08.04.2024
Shipper:	SUNOLTA (SUISSE) SA RUE DU 23-JUIN 26, 2800 DELEMONT, SWITZERLAND
Consignee:	TO ORDER
Notify address:	BUNGE GIDA SAN. VE TIC. A.S. CENTRUM IS MERKEZI AYDINEVLER SANAYI CAD. NO:3 / 301 34854 – KUCUKYALI – MALTEPE ISTANBUL – TURKEY
Port of loading:	ODESA, UKRAINE
Port of discharge:	TEKIRDAG PORT OF TURKEY
Vessel Tanks Nos.:	1P,2P,3P,4P,5P,1S, 2S, 3S, 4S, 5S.

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank 1P,2P,3P,4P,5P,1S, 2S, 3S, 4S, 5S of M/T ELIANA 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	Unit	SFO by CODEX STAN 210-1999	LOQ	Result	U
Caproic (C6:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05)	0.05	ND	n/a
Caprylic (C8:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05)	0.05	ND	n/a
Capric (C10:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05)	0.05	ND	n/a
Lauric (C12:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.1	0.05	ND	n/a
Myristic (C14:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.2	0.05	0.1	±0.03
Palmitic (C16:0)	ISO 12966-2; ISO 12966-4	%	5.0 - 7.6	0.05	6.4	±0.64
Palmitoleic (C16:1)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.3	0.05	0.1	±0.02
Heptadecanoic (C17:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.2	0.05	ND	n/a
cis-10-Heptadecenoic (C17:1)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.1	0.05	ND	n/a
Stearic (C18:0)	ISO 12966-2; ISO 12966-4	%	2.7 - 6.5	0.05	3.3	±0.33
Oleic (C18:1n9c)	ISO 12966-2; ISO 12966-4	%	14.0 - 43.0	0.05	29.2	±2.92
Linoleic (C18:2n6c)	ISO 12966-2; ISO 12966-4	%	45.4 - 74.0	0.05	59.5	±5.95
Linolenic (C18:3n3)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.3	0.05	0.1	±0.01
Arachidic (C20:0)	ISO 12966-2; ISO 12966-4	%	0.1 - 0.5	0.05	0.2	±0.03
cis-11-Eicosenoic (C20:1)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.3	0.05	0.1	±0.01





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cis-11,14-Eicosadienoic (C20:2)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05)	0.05	ND	n/a
Behenic (C22:0)	ISO 12966-2; ISO 12966-4	%	0.3 - 1.5	0.05	0.7	±0.08
Erucic (C22:1n9)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.3	0.05	ND	n/a
cis-13,16-Docosadienoic (C22:2)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.3	0.05	ND	n/a
Lignoceric (C24:0)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05) - 0.5	0.05	0.2	±0.06
Nervonic (C24:1)	ISO 12966-2; ISO 12966-4	%	ND (< 0.05)	0.05	ND	n/a

*-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: 08th of APRIL, 2024

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

