



CISS Group PTE. LTD.

10, Anson Road, #29-05 A, International Plaza, Singapore, 079903.

e-mail: inspection@ciiss-group.com

Page 1/2

CERTIFICATE No.: UA01352

ORIGINAL

CERTIFICATE OF ANALYSIS

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:	M/T "EFE"
Quantity:	7250,000 MT
B/L No. & Date:	NO. 1 AND 2 DD 16.08.2022
Shipper:	GNT TRADE DMCC OFFICE 32A, GOLD TOWER, CLUSTER1, JLT, DUBAI, UAE
Consignee:	TO ORDER
Notify address:	PIER AGRO GIDA SAN. VE TIC.A.S. ADANA YUMURTALIK SERBEST BOLGE SB. SARIMAZI SERBEST BOLGE MAH. ADANA YUMURTALIK SERBEST BOLGESI CEYHAN – ADANA
Port of loading:	ODESSA, UKRAINE
Port of discharge:	TOROS PORT, CEYHAN/TURKEY
Vessel Tanks Nos.:	1C, 2P, 2S, 3P, 3S, 4P, 4S, 5P, 5S, 6P, 6S, 7P, 7S, 8P AND 8S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank 1C, 2P, 2S, 3P, 3S, 4P, 4S, 5P, 5S, 6P, 6S, 7P, 7S, 8P AND 8S of M/T "EFE" 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	Specification	Results
FREE FATTY ACID CONTEN (AS OLEIC ACID)	ISO 660	BASIS 1.5% MAXIMUM 2.5%	0,60%
MOISTURE AND VOLATILE SUBSTANCES	ISO 662	MAX.0,50%	0,1%
FOREIGN SUBSTANCES	ISO 663		
SEDIMENT	ISO 15301	BASIS 1,5 % MAXIMUM 2,5 %	0,7%
FLASH POINT	ISO 15267	MIN. 121 CO	No flash at 121 °C





CISS Group PTE. LTD.

10, Anson Road, #29-05 A, International Plaza, Singapore, 079903.

e-mail: inspection@ciiss-group.com

Page 2/2

CERTIFICATE No.: UA01352

ORIGINAL

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	5.6	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	3.6	0.05 %
Oleic acid C18:1n9c, %	ISO 12966-4	27.0	0.05 %
Linoleic acid C18:2n6c, %	ISO 12966-4	62.0	0.05 %
α-Linolenic acid (omega3) C18:3n3, %	ISO 12966-4	0.1	0.05 %
Arachidic acid C20:0, %	ISO 12966-4	0.3	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	0.8	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	ND	0.05 %

DATED: 17th of AUGUST, 2022

For and on behalf of CISS GROUP Ukraine LLC

Registered Superintendent and Surveyor Member of FOSFA

