



Commodities International  
Shipping and Survey



CISS Group PTE. LTD.

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

e-mail: inspection@ciiss-group.com

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CERTIFICATE No.: UA01039

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  
Vessel: MT SEYMA  
Quantity: 2206,520 MT  
B/L No. & Date: NO. 1 DD. 14.11.2020  
Shipper: "ODESKA TORGOVA KOMPANIA" LLC  
Ukraine, Odessa region, Odessa, Church str.,19  
ON BEHALF TRADE AGRI EUROPE LTD  
Consignee: UNAT YAĞ GIDA SANAYİ VE TİCARET A.Ş  
15 TEMMUZ MAH.148168 NOLU SOKAK NO:14  
ŞEHİTKAMİL/GAZİANTEP  
Notify address: UNAT YAĞ GIDA SANAYİ VE TİCARET A.Ş  
15 TEMMUZ MAH.148168 NOLU SOKAK NO:14  
ŞEHİTKAMİL/GAZİANTEP  
Port of loading: İZMAIL, UKRAINE  
Port of discharge: MERSİN, TURKEY  
Vessel Tanks Nos.: 1P, 1S, 2P, 2S, 3P, 3S, 4P, 4S, 5P, 5S, 6P and 6S

### RESULTS OF QUALITY INSPECTION

Representative samples of the oil delivered to vessel tank № 1P, 1S, 2P, 2S, 3P, 3S, 4P, 4S, 5P, 5S, 6P and 6S of MT SEYMA have been drawn and sealed from vessel's tanks after competition of loading according to FOSFA CONTRACT No.54. One vessel's sample (seal No.A17362826) were submitted for analysis to FOSFA approved chemical laboratory FE "SGS Ukraine" (Analytical Report No. 1008943/1 date: 17.11.2020). The following results of analysis have been obtained:

#### Fatty acid composition

Parameter	Method	Unit	LOQ	Result
Caproic acid (C6:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Caprylic acid (C8:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Capric acid (C10:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Lauric acid (C12:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Myristic acid (C14:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.08







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Parameter	Method	Unit	LOQ	Result
Palmitic acid (C16:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	6.67
Palmitoleic acid (C16:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.12
Heptadecanoic acid (C17:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
cis-10-Heptadecenoic acid (C17:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Stearic acid (C18:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	3.73
Elaidic acid (C18:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Oleic acid (C18:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	26.34
Linolelaidic acid (C18:2)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Linoleic acid (C18:2)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	61.43
Linolenic acid (C18:3)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.07
Arachidic acid (C20:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.27
cis-11-Eicosenoic acid (C20:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.17
Eicosadienoic acid (C20:2)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Behenic acid (C22:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.72
Erucic acid (C22:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
cis-13,16 -Docosadienoic acid (C22:2)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05
Lignoceric acid (C24:0)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	0.25
Nervonic acid (C24:1)	ISO 12966-2:2011, ISO 12966-4:2015	%	0.05	<0.05

The oil is homogeneous, of good, sound and merchantable quality.

**DATED: 17 OF NOVEMBER, 2020**

**For and on behalf of CISS GROUP Ukraine LLC**

**Registered Superintendent and Surveyor Member of FOSFA**

