



CISS Group PTE. LTD.

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

e-mail: inspection@ciiss-group.com

CERTIFICATE No.: SGD00613/1

ORIGINAL

## QUALITY CERTIFICATE

In pursuance of an order received from Messrs. Agro Trading International AG, requesting us to carry out inspection we hereby confirm as follows:

Description of goods: CRUDE SUNFLOWERSEED OIL OF EDIBLE GRADE (FIT FOR HUMAN CONSUMPTION AFTER APPROPRIATE REFINING)  
IN BULK  
Vessel: MT AGNES VICTORY  
Quantity: 6500 MT  
BL No. & Date: 19, 20, 21, 22, 23, 24 AND 25 DD 13.10.2021  
Shipper: Agro Trading International AG, Bahnhofstrasse 27,  
6300 Zug, Switzerland  
Consignee: TO ORDER  
Notify Address: GEMINI EDIBLES AND FATS INDIA LIMITED, SURVEY NO  
1607/2, PANTAPALEM EPURU(1B) (V) MUTHUKURU (M), SRI  
POTTI SRI RAMULU NELLORE DIST-524323, ANDHRA  
PRADESH, INDIA.  
Port of loading: MYKOLAIV, UKRAINE  
Port of discharge: KRISHNAPATNAM AND/OR KAKINADA,INDIA

### SAMPLING AND QUALITY ANALYSIS RESULTS:

Representative preshipment samples of the oil delivered to vessel tank № 1P, 1S, 2P, 2S, 3P, 4S, 5P and 5S of MT AGNES VICTORY have been drawn and sealed conjointly with buyer's superintendent at nearest practicable point to vessels' rail, according to FOSFA CONTRACT No.53. One sample was submitted for analysis to FOSFA approved chemical laboratory. The following results of analysis have been obtained:

No.	Parameter	Method	Specification	Results
1	Acid Value	ISO 660:2009	max 2.5 (koh)mg/g	0.699 (koh) mg/g
2	Peroxide Value	ISO 3960:2007	max 7.5 mmol/kg	1.85 mmol/kg
3	Benzo(a)pyrene	ISO 15302	max 10 µg /kg	1.92 µg/kg
4	Moisture and volatile	ISO 662:2004	max 0.2%	0.08%
5	Insoluble impurity	ISO 663:2007	max 0.1%	0.05%
6	Phosphorus	ISO 10540-1	max 200 mg/kg	59.3 mg/kg
7	Density(d20/20)	ISO 6883:2007	0.918-0.923g/ml	0.9185 g/ml
8	Lead (Pb)	DSTU 7453:2013	max 0.1mg/kg	0.072 mg/kg
9	Arsenic (As)	DSTU 7453:2013	max 0.1 mg/kg	< 0.02 mg/kg
10	Aflatoxins B1	METHOD IEA	max 10 µg /kg	< 1 mg/kg
11	Residual technical hexane content	ISO 9832:2002	less than 10 mg/kg	< 10* mg/kg (ppm)







**CISS Group PTE. LTD.**

10, Anson Road, #29-05 A, International Plaza, Singapore, 079903.  
e-mail: inspection@ciiss-group.com

**CERTIFICATE No.: SGD00613/1**

**ORIGINAL**

No.	Parameter	Method	Specification	Results
12	Dimethoate	EN 15662:2018	max 0.05 mg/kg	ND, less than 0.050 mg/kg
13	Diquat		max 0.05 mg/kg	ND, less than 0.050 mg/kg
14	Fenthion		max 0.01 mg/kg	ND, less than 0.010 mg/kg
15	Haloxypromethyl		max 1 mg/kg	ND, less than 0.100 mg/kg
16	Haloxyp-p-methyl		max 1 mg/kg	ND, less than 0.100 mg/kg
17	Procymidone		max 0.5 mg/kg	ND, less than 0.100 mg/kg
18	Chlordane		max 0.05 mg/kg	ND, less than 0.020 mg/kg
19	Clethodim		max 0.1 mg/kg	ND, less than 0.050 mg/kg
20	Permethrin		max 1.0 mg/kg	ND, less than 0.100 mg/kg
21	Prochloraz and prochloraz-manganese chloride complex		max 1 mg/kg	ND, less than 0.100 mg/kg
22	Caproic acid C6:0	ISO 12966-4	ND	< 0.05*
23	Caprylic acid C8:0		ND	< 0.05*
24	Capric acid C10:0		ND	< 0.05*
25	Lauric acid C12:0		ND-0.1%	< 0.05*
26	Myristic acid, C14:0		ND-0.2%	0.1%
27	Palmitic acid C16:0		5.0-7.6%	6.1%
28	Heptadecanoic acid C17:0		ND-0.2%	< 0.05*
29	cis-10-Heptadecenoic acid C17:1		ND-0.1%	< 0.05*
30	Stearic acid C18:0		2.7-6.5%	3.0%
31	Oleic acid C18:1n9c		14.0-39.4%	29.7%
32	Linoleic acid C18:2n6c		48.3-74.0%	59.7%
33	α-Linolenic acid (omega3) C18:3n3		ND-0.3%	0.1%
34	cis-11-Eicosenoic acid C20:1		ND-0.3%	0.1%
35	cis-11,14-Eicosadienoic acid C20:2		ND	< 0.05*
36	Behenic acid C22:0		0.3-1.5%	0.6%
37	Erucic acid C22:1n9		ND-0.3%	< 0.05*
38	cis-13,16-Docosadienoic acid C22:2		ND-0.3%	< 0.05*
39	Lignoceric acid C24:0		ND-0.5%	0.3%

Remarks:

\*- No analyte at a content above the limit of Quantification was detected.

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

**DATED: 22 OF OCTOBER, 2021**

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

**Registered Superintendent and Surveyor Member of FOSFA**

