



**Commodities International  
Shipping and Survey**



**FOSFA  
INTERNATIONAL**

Page

1/3

**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.: UA01797**

**ORIGINAL**

## **ANALYSIS CERTIFICATE ORIGINAL**

In pursuance of an order received from our principal, requesting us to carry out inspection we hereby confirm as follows:

|                       |                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description of goods: | Ukrainian crude Sunflower oil in Bulk                                                                                                                                                                                                                          |
| Vessel:               | MT DENSA DEFNE                                                                                                                                                                                                                                                 |
| Quantity:             | 6599,840 MT                                                                                                                                                                                                                                                    |
| B/L No. & Date:       | NO.1,2,3,4 AND 5 DD 24.10.2024                                                                                                                                                                                                                                 |
| Shipper:              | "ODESKA TORGOVA KOMPANIA" LLC<br>Ukraine, Odessa region, Odessa, Church str.,19<br>ON BEHALF OF D.A.M TRADE GROUP LLC<br>"IZMAIL-TRANSBULKTERMINAL" LLC<br>ADDRESS: UKRAINE, ODESA REGION,<br>IZMAIL, AERODROMNE SHOSSE, 2<br>ON BEHALF OF DAM TRADE GROUP LLC |
| Consignee:            | Tampieri spa – via Granarolo n. 177/3 – 48018 Faenza Ravenna – Italy                                                                                                                                                                                           |
| Notify address:       | Tampieri spa – via Granarolo n. 177/3 – 48018 Faenza Ravenna – Italy                                                                                                                                                                                           |
| Port of loading:      | IZMAIL, UKRAINE                                                                                                                                                                                                                                                |
| Port of discharge:    | Ravenna, Italy                                                                                                                                                                                                                                                 |
| Vessel Tanks Nos.:    | 1P/S; 2P/S; 3P/S; 4P/S; 5P/S; 6P/S                                                                                                                                                                                                                             |

### **RESULTS OF QUALITY INSPECTION**

Representative samples of the oil have been drawn from each ship's tank 1P/S; 2P/S; 3P/S; 4P/S; 5P/S; 6P/S of MT DENSA DEFNE and sealed from vessel's tanks after completion 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:

| Test Description                                          | Method**      | Units*** | Results  |
|-----------------------------------------------------------|---------------|----------|----------|
| Sum of dioxins (WHO-PCDD/Fs-TEQ)                          | EN 16215:2020 | pg/g fat | <0,75    |
| Sum of dioxins and dioxin-like PCBs (WHO-PCDD/Fs-PCB-TEQ) | EN 16215:2020 | pg/g fat | <1,25    |
| Sum of PCBs non-dioxin-like                               | EN 16215:2020 | ng/g fat | <40      |
| 2,3,7,8-TCDD                                              | EN 16215:2020 | pg/g fat | <0,04    |
| 1,2,3,7,8-PeCDD                                           | EN 16215:2020 | pg/g fat | <0,04    |
| 1,2,3,4,7,8-HxCDD                                         | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,6,7,8,HxCDD                                         | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,7,8,9-HxCDD                                         | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,4,6,7,8-HpCDD                                       | EN 16215:2020 | pg/g fat | <0,001   |
| OCDD                                                      | EN 16215:2020 | pg/g fat | <0,00006 |
| 2,3,7,8-TCDF                                              | EN 16215:2020 | pg/g fat | 0,004    |





**Commodities International  
Shipping and Survey**



**FOSFA  
INTERNATIONAL**

Page

2/3

**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.: UA01797**

**ORIGINAL**

|                                                                                    |               |          |          |
|------------------------------------------------------------------------------------|---------------|----------|----------|
| 1,2,3,7,8-PeCDF                                                                    | EN 16215:2020 | pg/g fat | <0,001   |
| 2,3,4,7,8-PeCDF                                                                    | EN 16215:2020 | pg/g fat | <0,012   |
| 1,2,3,4,7,8-HxCDF                                                                  | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,6,7,8-HxCDF                                                                  | EN 16215:2020 | pg/g fat | <0,01    |
| 2,3,4,6,7,8-HxCDF                                                                  | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,7,8,9-HxCDF                                                                  | EN 16215:2020 | pg/g fat | <0,01    |
| 1,2,3,4,6,7,8-HpCDF                                                                | EN 16215:2020 | pg/g fat | <0,001   |
| 1,2,3,4,7,8,9-HpCDF                                                                | EN 16215:2020 | pg/g fat | <0,001   |
| OCDF                                                                               | EN 16215:2020 | pg/g fat | <0,00006 |
| dioxin-like PCB 77                                                                 | EN 16215:2020 | pg/g fat | 0,00006  |
| dioxin-like PCB 81                                                                 | EN 16215:2020 | pg/g fat | <0,00015 |
| dioxin-like PCB 126                                                                | EN 16215:2020 | pg/g fat | <0,05    |
| dioxin-like PCB 169                                                                | EN 16215:2020 | pg/g fat | <0,015   |
| dioxin-like PCB 105                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 114                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 118                                                                | EN 16215:2020 | pg/g fat | 0,0005   |
| dioxin-like PCB 123                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 156                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 157                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 167                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| dioxin-like PCB 189                                                                | EN 16215:2020 | pg/g fat | <0,0003  |
| non-dioxin-like PCB 28                                                             | EN 16215:2020 | ng/g fat | <0,100   |
| non-dioxin-like PCB 52                                                             | EN 16215:2020 | ng/g fat | <0,100   |
| non-dioxin-like PCB 101                                                            | EN 16215:2020 | ng/g fat | <0,100   |
| non-dioxin-like PCB 138                                                            | EN 16215:2020 | ng/g fat | <0,100   |
| non-dioxin-like PCB 153                                                            | EN 16215:2020 | ng/g fat | <0,100   |
| non-dioxin-like PCB 180                                                            | EN 16215:2020 | ng/g fat | <0,100   |
| TEQ (WHO) for PCDD/Fs including LOQ for non-quantified congener                    | EN 16215:2020 | pg/g fat | 0,170    |
| TEQ (WHO) for dioxin-like PCBs including LOQ for non-quantified congener           | EN 16215:2020 | pg/g fat | 0,068    |
| TEQ (WHO) for PCDD/Fs + dioxin-like PCBs including LOQ for non-quantified congener | EN 16215:2020 | pg/g fat | 0,238    |
| Non-dioxin-like PCBs                                                               | EN 16215:2020 | ng/g fat | 0,600    |





**Commodities International  
Shipping and Survey**



**FOSFA  
INTERNATIONAL**

Page 3/3

**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.: UA01797**

**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 | 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 % |
| 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 | 58.4    | 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 | 0.1     | 0.05 % |
| cis-11,14-Eicosadienoic acid C20:2, % | ISO 12966-4 | < 0.05* | 0.05 % |
| Behenic acid C22:0, %                 | ISO 12966-4 | 0.7     | 0.05 % |
| Erucic acid C22:1n9, %                | ISO 12966-4 | < 0.05* | 0.05 % |
| cis-13,16-Docosadienoic acid C22:2, % | 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 | < 0.05* | 0.05 % |

\*In accordance with Directive (EU) nr. 2017/644 (for Food).

\*\*Content of PCDD/Fs and dioxin-like PCBs is recalculated to Toxic Equivalents (TEQ) values excluding non-dioxin-like PCBs.

\*\*\*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: 29th of OCTOBER, 2024**

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

