



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.: UA01210

ORIGINAL

## ANALYSIS 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 SUNFLOWERSEED EXTRACTION MEAL  
IN PELLETS, IN BULK  
Vessel: M/V AQUIS PERLA  
Quantity: 6599,700 MT  
BL No. & Date: NO. 1, 2 AND 3 DD 11.02.2022  
Shipper: "ODESKA TORGOVA KOMPANIA" LLC  
Ukraine, Odessa region,  
Odessa, Church str.,19  
ON BEHALF OF CEREALES Y HARINAS GARSAN; S.L  
"TOP EXPORT" LLC  
04111, KYIV, RUZHYNska STREET, BUILDING 18/59, OFFICE 43  
ON BEHALF OF CEREALES Y HARINAS GARSAN; S.L  
LLC "MEISEN"  
Ukraine 54001, Nikolaev, Nikolskaya str., building 61/11  
ON BEHALF OF CEREALES Y HARINAS GARSAN; S.L  
TO ORDER  
Notify Address: CEREALES Y HARINAS GARSAN; S.L.  
C/SIERRA DE LA CASTELLANA, 2 P.I. LOS PENONES,  
30800 - LORCA (MURCIA), SPAIN  
Port of loading: IZMAIL, UKRAINE  
Port of discharge: SEVILLE (SPAIN)

## RESULTS OF QUALITY INSPECTION

| No | Parameter                    | Method      | Result          | LOQ**    |
|----|------------------------------|-------------|-----------------|----------|
| 1  | Staphylococcus aureus, CFU/g | ISO 6888-3  | < 10*           | 10 CFU/g |
| 2  | Escherichia coli, CFU/g      | ISO 16649-3 | < 10*           | 10 CFU/g |
| 3  | Salmonella                   | ISO 20838   | Not detected*** | 5 CFU/g  |

| No | Test Description | Method       | Units    | Results |
|----|------------------|--------------|----------|---------|
| 1  | Poisonous seeds  | Visual check | %        | 0       |
|    |                  |              | seeds/kg | 0       |
|    |                  |              | ppm      | 0       |







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| No | Test Description | MRL   | Method        | LOQ** | Units | Results            |
|----|------------------|-------|---------------|-------|-------|--------------------|
| 1  | Lead             | 10,0  | EN 14084:2003 | 0,050 | ppm   | 0,064              |
| 2  | Cadmium          | 1,0   | EN 14084:2003 | 0,010 | ppm   | 0,396              |
| 3  | Arsenic          | 2,0   | EN 14627:2005 | 0,250 | ppm   | ND,less than 0,250 |
| 4  | Mercury          | 0,100 | EN 13806:2002 | 0,050 | ppm   | ND,less than 0,050 |

| No | Test Description          | MRL     | Method             | LOQ**  | Units | Results             |
|----|---------------------------|---------|--------------------|--------|-------|---------------------|
| 1  | Aflatoxin B1              | 20,0    | DSTU EN 12955:2001 | 1,0    | ppb   | ND,less than 1,0    |
| 2  | Aflatoxin Sum B1,B2,G1,G2 | 20,0    | DSTU EN 12955:2001 | 2,5    | ppb   | ND,less than 2,5    |
| 3  | Deoxynivalenol (DON)      | 8000,0  | INSO 406:2013      | 250,0  | ppb   | ND, less than 250,0 |
| 4  | Ochratoxin A              | 250,0   | INSO 405:2013      | 2,0    | ppb   | ND,less than 2,0    |
| 5  | Zearalenone               | 1000,0  | INSO 405:2013      | 50,0   | ppb   | ND,less than 50,0   |
| 6  | Fumonisin B1+B2           | 60000,0 | INSO 405:2013      | 1000,0 | ppb   | ND,less than 1000,0 |
| 7  | T-2 Toxin (Sum T2/HT2)    | 0,100   | INSO 407:2013      | 0,100  | ppm   | ND, less than 0,100 |

| No | Test Description          | MRL   | Method        | LOQ** | Units | Results            |
|----|---------------------------|-------|---------------|-------|-------|--------------------|
| 1  | Acetamidrid               | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 2  | Cymoxanil                 | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 3  | Cyprodinil                | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 4  | Dimethoate                | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 5  | Difenoconazole            | 0,050 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 6  | Endosulfan (alpha isomer) | 0,100 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 7  | Fipronil                  | 0,005 | EN 15662:2018 | 0,005 | ppm   | ND,less than 0,005 |
| 8  | Famoxadone                | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 9  | Methiocarb                | 0,030 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 10 | Tebuconazole              | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |

**Organochlorine pesticides**

|    |                                                                                             |       |               |       |     |                    |
|----|---------------------------------------------------------------------------------------------|-------|---------------|-------|-----|--------------------|
| 11 | Aldrin                                                                                      | 0,010 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 12 | Chlordane (sum of cis- and trans-isomers and of oxychlordane, expressed as Chlordane)       | 0,020 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 13 | Chlorothalonil                                                                              | 0,010 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 14 | Dieldrin                                                                                    | 0,010 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 15 | DDT (sum of DDT-, TDE-, and DDE-isomers, expressed as DDT)                                  | 0,050 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 16 | Dicofol                                                                                     | 0,050 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 17 | Endrin                                                                                      | 0,010 | EN 15662:2018 | 0,010 | ppm | ND,less than 0,010 |
| 18 | Endosulfan (sum of alpha- and beta- isomers and endosulfansulphate expressed as endosulfan) | 0,100 | EN 15662:2018 | 0,020 | ppm | ND,less than 0,020 |







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| No                                 | Test Description                                                                | MRL   | Method        | LOQ** | Units | Results            |
|------------------------------------|---------------------------------------------------------------------------------|-------|---------------|-------|-------|--------------------|
| 19                                 | Hexachlorobenzene (HCB)                                                         | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 20                                 | HCH alpha isomer                                                                | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 21                                 | HCH beta isomer                                                                 | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 22                                 | HCH (gamma isomers) Lindane                                                     | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 23                                 | Heptachlor (sum of heptachlor and of heptachlorepoide, expressed as heptachlor) | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| <b>Organophosphorus pesticides</b> |                                                                                 |       |               |       |       |                    |
| 24                                 | Acephate                                                                        | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 25                                 | Azinphos methyl                                                                 | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 26                                 | Chlorpyrifos                                                                    | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 27                                 | Chlorpyrifos-methyl                                                             | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 28                                 | Diazinon                                                                        | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 29                                 | Dichlorvos                                                                      | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 30                                 | Ethion                                                                          | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 31                                 | Phosphamidon                                                                    | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 32                                 | Malathion                                                                       | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 33                                 | Methidathion                                                                    | 0,050 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 34                                 | Parathion                                                                       | 0,050 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 35                                 | Phorate                                                                         | 0,020 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 36                                 | Pirimiphos methyl                                                               | 0,500 | EN 15662:2018 | 0,100 | ppm   | ND,less than 0,100 |
| 37                                 | Pirimiphos ethyl                                                                | NS    | EN 15662:2018 | 0,100 | ppm   | ND,less than 0,100 |
| 38                                 | Trichlorfon                                                                     | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 39                                 | Fenitrothion                                                                    | 0,020 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 40                                 | Methamidophos                                                                   | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| <b>Pyrethroids</b>                 |                                                                                 |       |               |       |       |                    |
| 41                                 | Bifenthrin                                                                      | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 42                                 | Cypermethrin                                                                    | 0,200 | EN 15662:2018 | 0,050 | ppm   | ND,less than 0,050 |
| 43                                 | Deltamethrin                                                                    | 0,050 | EN 15662:2018 | 0,050 | ppm   | ND,less than 0,050 |
| 44                                 | Fenvalerate and Esfenvalerate                                                   | 0,050 | EN 15662:2018 | 0,050 | ppm   | ND,less than 0,050 |
| 45                                 | Etofenprox                                                                      | 0,010 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 46                                 | Permethrin                                                                      | 0,050 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 47                                 | Cyhalothrin                                                                     | 0,200 | EN 15662:2018 | 0,050 | ppm   | ND,less than 0,050 |
| <b>Herbicides</b>                  |                                                                                 |       |               |       |       |                    |
| 48                                 | Atrazine                                                                        | 0,050 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 49                                 | Metazachlor                                                                     | 0,060 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |
| 50                                 | Pendimethanil                                                                   | 0,050 | EN 15662:2018 | 0,020 | ppm   | ND,less than 0,020 |
| 51                                 | Simazine                                                                        | 0,020 | EN 15662:2018 | 0,010 | ppm   | ND,less than 0,010 |







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| No | Test Description                                             | Method****    | Units***** | Results   |
|----|--------------------------------------------------------------|---------------|------------|-----------|
| 1  | Sum of dioxins<br>(WHO-PCDD/Fs-TEQ)                          | EN 16215:2020 | pg/g       | <0,75     |
| 2  | Sum of dioxins and dioxin-like PCBs<br>(WHO-PCDD/Fs-PCB-TEQ) | EN 16215:2020 | pg/g       | <1,25     |
| 3  | Sum of PCBs non-dioxin-like                                  | EN 16215:2020 | ng/g       | <10       |
| 4  | 2,3,7,8-TCDD                                                 | EN 16215:2020 | pg/g       | <0,02     |
| 5  | 1,2,3,7,8-PeCDD                                              | EN 16215:2020 | pg/g       | <0,02     |
| 6  | 1,2,3,4,7,8-HxCDD                                            | EN 16215:2020 | pg/g       | <0,005    |
| 7  | 1,2,3,6,7,8-HxCDD                                            | EN 16215:2020 | pg/g       | <0,005    |
| 8  | 1,2,3,7,8,9-HxCDD                                            | EN 16215:2020 | pg/g       | <0,005    |
| 9  | 1,2,3,4,6,7,8-HpCDD                                          | EN 16215:2020 | pg/g       | <0,0005   |
| 10 | OCDD                                                         | EN 16215:2020 | pg/g       | <0,00003  |
| 11 | 2,3,7,8-TCDF                                                 | EN 16215:2020 | pg/g       | <0,002    |
| 12 | 1,2,3,7,8-PeCDF                                              | EN 16215:2020 | pg/g       | <0,0006   |
| 13 | 2,3,4,7,8-PeCDF                                              | EN 16215:2020 | pg/g       | <0,006    |
| 14 | 1,2,3,4,7,8-HxCDF                                            | EN 16215:2020 | pg/g       | <0,005    |
| 15 | 1,2,3,6,7,8-HxCDF                                            | EN 16215:2020 | pg/g       | <0,005    |
| 16 | 2,3,4,6,7,8-HxCDF                                            | EN 16215:2020 | pg/g       | <0,005    |
| 17 | 1,2,3,7,8,9-HxCDF                                            | EN 16215:2020 | pg/g       | <0,005    |
| 18 | 1,2,3,4,6,7,8-HpCDF                                          | EN 16215:2020 | pg/g       | <0,0005   |
| 19 | 1,2,3,4,7,8,9-HpCDF                                          | EN 16215:2020 | pg/g       | <0,0005   |
| 20 | OCDF                                                         | EN 16215:2020 | pg/g       | <0,00003  |
| 21 | dioxin-like PCB 77                                           | EN 16215:2020 | pg/g       | 0,00003   |
| 22 | dioxin-like PCB 81                                           | EN 16215:2020 | pg/g       | <0,000075 |
| 23 | dioxin-like PCB 126                                          | EN 16215:2020 | pg/g       | <0,025    |
| 24 | dioxin-like PCB 169                                          | EN 16215:2020 | pg/g       | <0,0075   |
| 25 | dioxin-like PCB 105                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 26 | dioxin-like PCB 114                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 27 | dioxin-like PCB 118                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 28 | dioxin-like PCB 123                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 29 | dioxin-like PCB 156                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 30 | dioxin-like PCB 157                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 31 | dioxin-like PCB 167                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 32 | dioxin-like PCB 189                                          | EN 16215:2020 | pg/g       | <0,00015  |
| 33 | non-dioxin-like PCB 28                                       | EN 16215:2020 | ng/g       | <0,05     |
| 34 | non-dioxin-like PCB 52                                       | EN 16215:2020 | ng/g       | <0,05     |
| 35 | non-dioxin-like PCB 101                                      | EN 16215:2020 | ng/g       | <0,05     |
| 36 | non-dioxin-like PCB 138                                      | EN 16215:2020 | ng/g       | <0,05     |







**Commodities International  
Shipping and Survey**



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| No | Test Description                                                                                 | Method****    | Units***** | Results |
|----|--------------------------------------------------------------------------------------------------|---------------|------------|---------|
| 37 | non-dioxin-like PCB 153                                                                          | EN 16215:2020 | ng/g       | <0,05   |
| 38 | non-dioxin-like PCB 180                                                                          | EN 16215:2020 | ng/g       | <0,05   |
| 39 | TEQ (WHO) for PCDD/Fs including LOQ for non-quantified congener, 12% moisture                    | EN 16215:2020 | pg/g       | 0,083   |
| 40 | TEQ (WHO) for dioxin-like PCBs including LOQ for non-quantified congener, 12% moisture           | EN 16215:2020 | pg/g       | 0,033   |
| 41 | TEQ (WHO) for PCDD/Fs + dioxin-like PCBs including LOQ for non-quantified congener, 12% moisture | EN 16215:2020 | pg/g       | 0,116   |
| 42 | Non-dioxin-like PCBs, 12% moisture                                                               | EN 16215:2020 | ng/g       | 0,294   |

**Remarks:**

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

\*\* LOQ - Limit of quantification.

\*\*\* Analyte not detected above the limit of Detection.

\*\*\*\*In accordance with Directive (EU) nr. 2017/771 (for Feed).

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

**DATED: 16th of FEBRUARY, 2022**

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

**Registered Superintendent and Surveyor Member of GAFTA**

