



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.: SGD00759

ORIGINAL

DIOXINS 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 MEAL IN BULK, CROP 2022
Vessel: M/V WAEL K
Quantity: 6127,505 MT
BL No. & Date: NO. 1 DD 07.10.2022
Shipper: SUNOLTA OU
Harju maakond, Tallinn, Kesklinna linnaosa, Narva mnt 13a,
10151, Estonia Registration number: 14785565
Consignee: TO ORDER
Notify Address: RAVAGRICOLA S.p.A.-Via Fratelli Bronzetti,
8-20129 Milano-Italia
Port of loading: CHORNOMORSK, UKRAINE
Port of discharge: RAVENNA, ITALY

RESULTS OF INSPECTION

The pre-sampling was performed according to the FOSFA rules as pre-shipment. A composite sample of the total consignment was proportionally mixed and submitted for analysis in FOSFA accredited laboratory "INSPECTORATE UKRAINE" LLC (report 3530/22E dd 12.10.2022). The following results were obtained:

No	Test Description	Method*	Units**	Results
1	Sum of dioxins (WHO-PCDD/Fs-TEQ)	EN 16215:2020	pg/g	<0,75
2	Sum of dioxins and dioxin-like PCBs (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





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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
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	0,292

*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.

The results of these analyses are in conformity with the above-mentioned quality / condition specifications.

The results of inspection are valid for the time and place of inspection only.

This certificate is electronically signed and stamped.

DATED: 12th of OCTOBER, 2022

For and on behalf of CISS GROUP Ukraine LLC

Registered Superintendent and Surveyor Member of FOSFA

