



Commodities International
Shipping and Survey



FOSFA
INTERNATIONAL

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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.: SGD01538/1

ORIGINAL

CERTIFICATE OF ANALYSIS

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 SUNFLOWER OIL, IN BULK, CROP 2025
Vessel:	barge UT-4
Quantity:	1143,595 MT
B/L No. & Date:	NO. 2 DD 09.10.2025
Shipper:	SUNOLTA (SUISSE) SA RUE DU 23-JUIN 26, 2800 DELEMONT, SWITZERLAND
Consignee:	TO ORDER
Notify address:	Oliva AD 60 Asen Yordanov Str. Lozenets district 1407 Sofia, Bulgaria, VAT : BG106013774
Port of loading:	IZMAIL, UKRAINE
Port of discharge:	SILISTRA, BULGARIA
Vessel Tanks Nos.:	1P,1S,2P,2S,3P,3S,4P,4S,5P,5S,6P,6S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tanks 1P,1S,2P,2S,3P,3S,4P,4S,5P,5S,6P,6S of barge UT-4 and sealed from vessel's tanks after completion of loading according to FOSFA CONTRACT No.54.

The vessel's samples, co-jointly sealed with Control Union Ukraine, were submitted for analysis to FOSFA approved chemical laboratory: sample seal No H32203212/06134370 - "INSPECTORATE UKRAINE" LLC.

The following results of analysis have been obtained:

Test Description	Method	Units	LOQ*	Results
Mineral oil (Hydrocarbons C10-C56)	ISO 17780:2015	mg/kg	20,0	ND, less than 20,0

Test Description	Method	Specification as per contract	Units	Results
MOSH: => C10 - <=C16	INSO 411:2013	MOSH & MOAH (<= 2 MOAH & MOSH < 10)	mg/kg	<2,0
MOSH: > C16 - <=C20	INSO 411:2013		mg/kg	<2,0
MOSH: > C20 - <=C25	INSO 411:2013		mg/kg	<2,0
MOSH: > C25 - <=C35	INSO 411:2013		mg/kg	3,9
MOSH: > C35 - <=C40	INSO 411:2013		mg/kg	<2,0
MOSH: > C40 - <=C50	INSO 411:2013		mg/kg	<2,0
MOSH: Total	INSO 411:2013		mg/kg	7,3
MOAH: => C10 - <=C16	INSO 411:2013		mg/kg	<1,0
MOAH: > C16 - <=C25	INSO 411:2013		mg/kg	<1,0
MOAH: > C25 - <=C35	INSO 411:2013		mg/kg	<1,0
MOAH: > C35 - <=C50	INSO 411:2013		mg/kg	<1,0
MOAH:Total	INSO 411:2013		mg/kg	<2,0





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No	Test Description	Method**	Units***	Results
1	Sum of dioxins (WHO-PCDD/Fs-TEQ)	EN 16215:2020	pg/g fat	<0,75
2	Sum of dioxins and dioxin-like PCBs (WHO-PCDD/Fs-PCB-TEQ)	EN 16215:2020	pg/g fat	<1,25
3	Sum of PCBs non-dioxin-like	EN 16215:2020	ng/g fat	<40
4	2,3,7,8-TCDD	EN 16215:2020	pg/g fat	<0,04
5	1,2,3,7,8-PeCDD	EN 16215:2020	pg/g fat	<0,04
6	1,2,3,4,7,8-HxCDD	EN 16215:2020	pg/g fat	<0,01
7	1,2,3,6,7,8-HxCDD	EN 16215:2020	pg/g fat	<0,01
8	1,2,3,7,8,9-HxCDD	EN 16215:2020	pg/g fat	<0,01
9	1,2,3,4,6,7,8-HpCDD	EN 16215:2020	pg/g fat	<0,001
10	OCDD	EN 16215:2020	pg/g fat	<0,00006
11	2,3,7,8-TCDF	EN 16215:2020	pg/g fat	<0,00006
12	1,2,3,7,8-PeCDF	EN 16215:2020	pg/g fat	<0,001
13	2,3,4,7,8-PeCDF	EN 16215:2020	pg/g fat	<0,012
14	1,2,3,4,7,8-HxCDF	EN 16215:2020	pg/g fat	<0,01
15	1,2,3,6,7,8-HxCDF	EN 16215:2020	pg/g fat	<0,01
16	2,3,4,6,7,8-HxCDF	EN 16215:2020	pg/g fat	<0,01
17	1,2,3,7,8,9-HxCDF	EN 16215:2020	pg/g fat	<0,01
18	1,2,3,4,6,7,8-HpCDF	EN 16215:2020	pg/g fat	<0,001
19	1,2,3,4,7,8,9-HpCDF	EN 16215:2020	pg/g fat	<0,001
20	OCDF	EN 16215:2020	pg/g fat	<0,00006
21	dioxin-like PCB 77	EN 16215:2020	pg/g fat	0,0002
22	dioxin-like PCB 81	EN 16215:2020	pg/g fat	<0,00015
23	dioxin-like PCB 126	EN 16215:2020	pg/g fat	<0,05
24	dioxin-like PCB 169	EN 16215:2020	pg/g fat	<0,015
25	dioxin-like PCB 105	EN 16215:2020	pg/g fat	<0,0003
26	dioxin-like PCB 114	EN 16215:2020	pg/g fat	<0,0003
27	dioxin-like PCB 118	EN 16215:2020	pg/g fat	0,001
28	dioxin-like PCB 123	EN 16215:2020	pg/g fat	<0,0003
29	dioxin-like PCB 156	EN 16215:2020	pg/g fat	<0,0003
30	dioxin-like PCB 157	EN 16215:2020	pg/g fat	<0,0003
31	dioxin-like PCB 167	EN 16215:2020	pg/g fat	<0,0003
32	dioxin-like PCB 189	EN 16215:2020	pg/g fat	<0,0003
33	non-dioxin-like PCB 28	EN 16215:2020	ng/g fat	<0,100
34	non-dioxin-like PCB 52	EN 16215:2020	ng/g fat	<0,100
35	non-dioxin-like PCB 101	EN 16215:2020	ng/g fat	<0,100





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36	non-dioxin-like PCB 138	EN 16215:2020	ng/g fat	<0,100
37	non-dioxin-like PCB 153	EN 16215:2020	ng/g fat	<0,100
38	non-dioxin-like PCB 180	EN 16215:2020	ng/g fat	<0,100
39	TEQ (WHO) for PCDD/Fs including LOQ for non-quantified congener	EN 16215:2020	pg/g fat	0,170
40	TEQ (WHO) for dioxin-like PCBs including LOQ for non-quantified congener	EN 16215:2020	pg/g fat	0,069
41	TEQ (WHO) for PCDD/Fs + dioxin-like PCBs including LOQ for non-quantified congener	EN 16215:2020	pg/g fat	0,239
42	Non-dioxin-like PCBs	EN 16215:2020	ng/g fat	0,600

*LOQ — limit of quantification.

**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.

This certificate is electronically signed and stamped.

DATED: 15th of OCTOBER, 2025

For and on behalf of CISS GROUP Ukraine LLC

Registered Superintendent and Surveyor Member of FOSFA

