



Commodities International  
Shipping and Survey



FOSFA  
INTERNATIONAL

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CISS GROUP UKRAINE LLC  
member of CISS GROUP Pte.Ltd. (Singapore)  
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Lymanka village, Odessa region, 65037  
inspection@ciiss-group.com

CERTIFICATE No.: UA01619

ORIGINAL

## STEROLS' CONTENT 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 crude Sunflower oil in Bulk
Vessel:	MT HIRA V
Quantity:	6208,060 MT
B/L No. & Date:	NO.1 DD 07.12.2023
Shipper:	"IZMAILSKA TORGOVA COMPANIA" LLC Address: Ukraine, Odesa region, Izmail, Aerodromne shosse, 2zh ON BEHALF OF D.A.M 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.:	SLOP C, 1P, 2P, 3P, 4P, 5P, 6P, 1S, 2S, 3S, 4S, 5S, 6S

### RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank SLOP C, 1P, 2P, 3P, 4P, 5P, 6P, 1S, 2S, 3S, 4S, 5S, 6S of MT HIRA V 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:

Parameter	Method	Specification	Result	LOQ
Total sterols content, mg/kg	ISO 12228-1	from mg/kg 1700 to mg/Kg 5200	3378	0.05 ppm
Cholesterol, %	ISO 12228-1	<= 0,5%	0.1	0.05 %
Brassicasterol, %	ISO 12228-1	<= 0,2%	< 0.05*	0.05 %
Campesterol, %	ISO 12228-1	from 6,5% to 13%	8.7	0.05 %
Stigmasterol, %	ISO 12228-1	from 6,0% to 13%	9.7	0.05 %
$\beta$ -Sitosterol, %	ISO 12228-1	from 50% to 70%	58.6	0.05 %
$\Delta$ 5-Avenasterol, %	ISO 12228-1	<= 6,9%	3.8	0.05 %
$\Delta$ 7-Stigmastenol, %	ISO 12228-1	from 6,5% to 24%	11.2	0.05 %
$\Delta$ 7-Avenasterol, %	ISO 12228-1	from 3% to 7,5%	4.3	0.05 %

\*-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: 12th of DECEMBER, 2023

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

