



Commodities International
Shipping and Survey



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CISS GROUP UKRAINE LLC
member of CISS GROUP Pte.Ltd. (Singapore)
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CERTIFICATE No.: UA01780

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 BARBAROS HAYRETTIN VARDAL
Quantity:	5398,800 MT
B/L No. & Date:	NO.1, 2 AND 3 DD 05.10.2024
Shipper:	"ODESKA TORGOVA KOMPANIA" LLC Ukraine, Odessa region, Odessa, Church str.,19 ON BEHALF OF D.A.M TRADE GROUP LLC «IZMAILSKA TORGOVA COMPANIA» LLC Ukraine, Odesa region, Izmail, Aerodromne shosse, 2 zh 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.:	1P/S,2P/S,3P/S,4P/S,5P/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 of MT BARBAROS HAYRETTIN VARDAL and sealed from vessel's tanks after competition 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	3301 mg/kg (ppm)	0.05 ppm
Cholesterol, %	ISO 12228-1	<= 0,5%	0,2%	0.05 %
Brassicasterol, %	ISO 12228-1	<= 0,2%	< 0.05*	0.05 %
Campesterol, %	ISO 12228-1	from 6,5% to 13%	8,3%	0.05 %
Stigmasterol, %	ISO 12228-1	from 6,0% to 13%	9,3%	0.05 %
β-Sitosterol, %	ISO 12228-1	from 50% to 70%	56,0%	0.05 %
Δ5-Avenasterol, %	ISO 12228-1	<= 6,9%	2,7%	0.05 %
Δ7-Stigmastenol, %	ISO 12228-1	from 6,5% to 24%	14,7%	0.05 %
Δ7-Avenasterol, %	ISO 12228-1	from 3% to 7,5%	4,9%	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: 10th of OCTOBER, 2024
For and on behalf of CISS GROUP Ukraine LLC
Registered Superintendent and Surveyor Member of FOSFA

