



Commodities International
Shipping and Survey



FOSFA
INTERNATIONAL

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CERTIFICATE No.: SGD01057

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 WINE TRADER
Quantity: 5949,300 MT
B/L No. & Date: NO.1 AND 2 DD 20.07.2023
Shipper: SUNOLTA OU
HARJU MAAKOND, TALLINN, KESKLINNA LINNAOSA, JÕE TN 4C
10151 ESTONIA
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,1S,2P,2S,3P,3S,4P,4S,5P,5S,6P,6S,7P,7S,8P,8S,9P,9S,10P,10S

RESULTS OF QUALITY INSPECTION

Representative samples of the oil have been drawn from each ship's tank 1P,1S,2P,2S,3P,3S,4P,4S,5P,5S,6P,6S,7P,7S,8P,8S,9P,9S,10P,10S of MT WINE TRADER 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	Result	LOQ
Total sterols content, mg/kg (ppm)	ISO 12228-1	3365	0.05 ppm
Cholesterol, %	ISO 12228-1	0.1	0.05 %
Cholestanol, %	ISO 12228-1	< 0.05*	0.05 %
Brassicasterol, %	ISO 12228-1	< 0.05*	0.05 %
24-Methylene cholesterol, %	ISO 12228-1	< 0.05*	0.05 %
Campesterol, %	ISO 12228-1	8.8	0.05 %
Campestanol, %	ISO 12228-1	< 0.05*	0.05 %
Stigmasterol, %	ISO 12228-1	9.2	0.05 %
Δ7-Campesterol, %	ISO 12228-1	3.8	0.05 %
Δ5,23-Stigmastadienol, %	ISO 12228-1	< 0.05*	0.05 %
Clerosterol, %	ISO 12228-1	< 0.05*	0.05 %
β-Sitosterol, %	ISO 12228-1	58.6	0.05 %
Sitostanol, %	ISO 12228-1	< 0.05*	0.05 %
Δ5-Avenasterol, %	ISO 12228-1	2.7	0.05 %
Δ5,24-Stigmastadienol, %	ISO 12228-1	< 0.05*	0.05 %
Δ7-Stigmastenol, %	ISO 12228-1	12.3	0.05 %
Δ7-Avenasterol, %	ISO 12228-1	4.5	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: 26th of JULY, 2023

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

