



Commodities International
Shipping and Survey



Page 1/1

CISS GROUP UKRAINE LLC
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CERTIFICATE No.: SGD00917

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 CRUDE SUNFLOWERSEED OIL – IN BULK
Vessel:	MT BARBAROS HAYRETTIN VARDAL
Quantity:	5311,150 MT
B/L No. & Date:	NO. A1-IZMAIL DD 08.02.2023
Shipper:	VIVACITY MK LLC 20200 WEST DIXIE HIGHWAY STE 902 AVENTURA, FL 33180
Consignee:	TO ORDER
Notify address:	KÜÇÜKBAY YAĞ VE DETERJAN SAN. A.Ş ANKARA CAD .NO 102 POST CODE :35030 BORNOVA ,IZMIR TURKIYE IZMAIL, UKRAINE
Port of loading:	T.C.D.D. ALSANCAK PORT / IZMIR OR ANY MARMARA PORT
Port of discharge:	
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 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	Results
FREE FATTY ACID CONTENT (AS OLEIC ACID)	ISO 660	BASIS 1.0 % MAX. 1.5%	0,79%
MOISTURE AND VOLATILE SUBSTANCES	ISO 662	MAX.0.50%	0,30%
FOREIGN SUBSTANCES	ISO 663		
SEDIMENTS	ISO 15301	BASIS 1.5 % MAX. 2.0 %	1,48%
FLASH POINT	ISO 15267	MIN. 121 °C	no flash 121°C
COLOR (5 – ¼)		MAX. 7 RED	4,6
PHOSPHORUS CONTENT	ISO 10540-1	MAX. 300 PPM	142 PPM
BENZOPYRENE	ISO 15753	MAX. 2 PPB	1,87 PPB

Parameter	Method	Result	LOQ
Hydrocarbon content attributed to mineral origin (C10-C56), ppm (mg/kg)	ISO 17780	< 50*	50 ppm (mg/kg)
Mineral oil (C10-C24), ppm (mg/kg)	ISO 17780	< 50*	50 ppm (mg/kg)

This certificate is electronically signed and stamped.

DATED: 10th FEBRUARY, 2023

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

