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PETCOM

INSPECTION INDEPENDENT SURVEYOR S.R.L.

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COD: LC-D-QUAL-04-24934

CERTIFICATE OF QUALITY

Vessel : **M/T CHEMTRANS MARS**

Cargo: **FUEL OIL**

Port : **CONSTANTA**

Date : **28-12-2022**

Sample description

Sample Container : 2 x 1 Liter Glass Bottles

Sample Origin : Shore tank P6UN - U/M/L composite after discharging

Sampling Date : 28-12-2022

Sample drawn by : Oil Terminal Laboratory jointly with PETCOM Surveyor

Characteristics	U M	Test Method	Limits	RESULTS
Viscosity at 80 °C	cst	SR EN ISO 3104	max 380	77.50
Viscosity at 80 °C	° E	calculated	max 16	10.19
Pour Point	°C	ASTM D 97	max 25	+24
Flash Point PM	°C	SR EN ISO 2719	min 65	118
Water Content	% vol	ASTM D 95	max 1.0	0.20
Sediments	% wt	ASTM D 473	max 0.1	0.04
Carbon Residue	% wt	SR EN ISO 10370	max 18	8.5
Ash Content	% wt	SR EN ISO 6245	max 0.12	0.045
Sulphur Content	% wt	SR EN ISO 8754	max 1.0	0.80
Density at 15 °C	kg/m3	SR EN ISO 12185	900-1100	948.9
Density at 15 °C (in air)	kg/m3	calculated		947.8
Net Calorific Value	kcal/kg	ISO 8217		9892
Net Calorific Value		ASTM D 4868	min 40.53	46.01
Water and sediment	%	ASTM D 95 / ASTM D 473		0.24

Sample Tested at : Oil Terminal Laboratory on 28.12.2022

Witnessed : YES Reason

Remark : When analysis witnessed by PETCOM INSPECTION INDEPENDENT SURVEYOR S.R.L., our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with industry accepted practice. We are not responsible for all apparatus instrumentation and measuring devices, calibration of same and working order. Reagents and solutions are accepted as prepared.

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SURVEYOR * ROMANIA**

The present certificate reflects our statements at time and place of inspection.
This inspection has been carried out conscientiously to the best of our knowledge and ability, our responsibility being limited to the exercise of due care.
This certificate does not absolve the parts involved of their contractual responsibilities.
The PETCOM's responsibility under this certificate is limited to gross negligence proven by principals and will, in no case, be more than three times fees or commission.