

## Independent Petroleum Cargo Surveyors


**ROCHEM PETROLEUM TESTING SERVICES**

568, El Horreya Av.,  
Glym – Alexandria, Egypt  
Tel. : +20 3 5834647/4648  
+20 3 5822141  
Fax : +20 3 5840910  
Email : [tbahiq@rocheminspectors.com](mailto:tbahiq@rocheminspectors.com)  
[www.rocheminspectors.com](http://www.rocheminspectors.com)

**ANALYTICAL TEST REPORT**

Certificate No.	: 1/5036/2026	Client Id	
Report date	: 15.03.2026	Date Sample collected	: 15.03.2026
Report No.	: 32451/2026/F	Date Sample tested	: 15.03-16.03.2026
Product	: VLSFO	Analysis performed by	: Rochem
Sample Source	: Before Loading to	Analysis performed at	: Rochem Lab. (Suez)

Property	Method	Result	Unit	Uncert.	Min	Max
Kinematic Viscosity at 50 °C	ISO 3104:2023	71.03	mm <sup>2</sup> /s	--	--	380.0
Density at 15 °C	ISO 12185:2024	0.9560	g/cm <sup>3</sup>	--	--	0.9910
Calculated Carbon Aromaticity Index*	ISO 8217:2024 Annex C.2	766	--	--	--	870
Hydrogen Sulfide content (Procedure A)*	IP 570:2015	<0.50	mg/kg	--	--	2.00
Accelerated Total Sediment-TSA *	ISO 10307-2:2009 (Proc. B)	0.02	% (m/m)	--	--	0.10
Carbon Residue-Micro Method *	ISO 10370:2014	4.28	% (m/m)	--	--	18.00
Upper Pour Point *	ISO 3016:2019	29	°C	--	--	30
Water Content, %mass *	ISO 3733:1999	0.10	% (m/m)	--	--	0.50
Ash Content *	ISO 6245:2001	0.010	% (m/m)	--	--	0.100
Elements in Residual Fuel Oil by ICP	IP 501:2005					
Aluminium *		<5	mg/kg	--	--	--
Calcium *		9	mg/kg	--	--	--
Sodium *		19	mg/kg	--	--	100
Phosphorus *		<1	mg/kg	--	--	--
Silicon *		<10	mg/kg	--	--	--
Vanadium *		8	mg/kg	--	--	350
Zinc *		9	mg/kg	--	--	--
Aluminium + Silicon *		<15	mg/kg	--	--	60
Acid Number (Inflection endpoint) *	ASTM D664:2024 (Method A)	<0.80	mg KOH/g	--	--	2.5
Sulfur	ISO 8754:2025	0.46	% (m/m)	--	--	--
Flash Point Pensky-Martens Closed Cup (Proc. B) Automatic Tester Pensky-Martens Flash Point (Closed Cup)*	ISO 2719:2025	112.0	°C	--	60.0	--

End of Analytical Results

\* Precision parameters apply in the evaluation of the test results specified above. Please also refer to ASTM D 3244 (except for analysis of RFG) and IP 367 with respect to the utilization of test data to determine conformance with specification.

This report is issued in accordance with the general terms and conditions of ROCHEM Inspectors. The reported results relate only to the tested samples.

**Rochem Inspectors**

A.Naseem / Lab. Manager

