

# Test Report: PO24-00212.001

Date: 24/May/2024  
 Mauritius Shipping Corporation Limited (MSCL)  
 1st Floor Capitainerie Building  
 Quay D  
 PORT-LOUIS  
 MAURITIUS

The results shown in this test report specifically refer to the sample(s) tested as received unless otherwise stated. All tests have been performed using the latest revision of the methods indicated, unless specifically marked otherwise on the report. Precision parameters apply in the determination of the below results. Users of analytical results, when establishing conformance with commercial or regulatory requirements should note the full provisions of ASTM D3244, IP 367 and ISO 4259 in that context, the default confidence level of petroleum testing having been set at the 95% confidence level. Your attention is specifically drawn to Sections 7.3.6., 7.3.7 and 7.3.8 of ASTM D3244. With respect to the UOP methods listed in the report below the user is referred to the method and the statement within it specifying that the precision statements were determined using UOP Method 999. This Test Report is issued under the Company's General Conditions of Service (copy available upon request or on the company website at www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This report shall not be reproduced except in full, without the written approval of the laboratory.

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council.

CLIENT ORDER NUMBER :	Residual Marine Fuels	SGS ORDER NO.:	200000833
CLIENT ID :	Mauritius Shipping Corporation Ltd	VESSEL :	MV PEROS BANHOS
LOCATION :	Port Louis	PRODUCT DESCRIPTION :	Low Sulphur Fuel Oil (LSFO) - Residual Marine Fuels
SAMPLE SOURCE :	Drain Pipe	SOURCE ID :	4S Storage
SAMPLE TYPE :	Composite (UML) After Loading	SAMPLE BY :	SGS Mauritius
SAMPLED :	17/May/2024	RECEIVED :	17/May/2024
ANALYSED :	21/May/2024 - 24/May/2024	COMPLETED :	24/May/2024
RETENTION PERIOD, DAYS	90	SEAL NO:	Q6276932,Q6276686
SAMPLE COMMENT :	Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. Sampling as per API, Chapter 8.		

PROPERTY	METHOD	RESULT UNITS	MIN	MAX
<b>Kinematic Viscosity at 50 °C</b>	ISO 3104:2020	[1803] mm <sup>2</sup> /s	--	380.0
<b>Density at 15 °C - Composite</b>	ISO 12185:1996	1.0174 kg/L	--	991.0
<b>Pensky Martens Flash Point (Closed cup) Procedure B</b>	ISO 2719:2016 (E)	160.0 °C	60.0	--
<b>Water Content</b>	ISO 3733: 1999	0.10 % (m/m)	--	0.50
<b>Pour Point</b>	ISO 3016: 2019	27 °C	--	30
<b>Sulfur</b>	ISO 8754:2003	0.36 % (m/m)	--	0.500
<b>Carbon Residue - Micro Method</b>	ISO 10370:2014	9.74 % (m/m)	--	18.00
<b>Acid Number (Buffer end-point)</b>	ASTM D664-18e2 (Method A)	[7.4] mg KOH/g	--	2.50
<b>Ash</b>	ISO 6245: 2001	[>0.180] % (m/m)	--	0.100
<b>Calculated Carbon Aromaticity Index</b>	ISO 8217:2017	864 ---	--	870
<b>Accelerated Total Sediment - TSA</b>	ISO 10307- 2:2009(E) Part B	0.09 % (m/m)	--	0.10
<b>Elements in Residual Fuel Oil by ICP</b>	IP 501/05			
Aluminium		56 mg/kg	--	--
Silicon		89 mg/kg	--	--
Aluminium + Silicon		[145] mg/kg	--	60
Vanadium		5 mg/kg	--	350
Calcium		[>100] mg/kg	--	30
Sodium		[>100] mg/kg	--	100
Zinc		12 mg/kg	--	15
Phosphorous		6 mg/kg	--	15

----- End of Analytical Results -----

[ ] - Out of Specification

AUTHORISED SIGNATORY

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