

Curacao Oil N. V. (Curoil)
Excon Martina
A.M Chumanceiro Blvd.15,
P.O. Box 3927
Willemstad
Netherlands Antilles

Our Reference Number: NA100-0007772
Lab Reference Number: 2024-CURA-000005
Customer Reference Number: Hafnia Andrea

Comment Preliminary Report of Analysis

Customer Product Description: ULSD	Sample ID: 2024-CURA-000005-001
Location: Prins Hendrik Wharf, Curacao, , Netherlands Antilles	Date Sampled: 11-Jan-2024
Sample Representing: Hafnia Andrea Volumetric Composite Before Discharge	Date Submitted: 11-Jan-2024
Drawn By: Intertek	Date Tested: 15-Jan-2024

Method	Property	Result	Units	Min	Max	P/F
ASTM D445	Kinematic Viscosity at 40 °C	2.778	mm ² /s	2.0	4.1	Pass
ASTM D4052	API Gravity @ 60°F	37.0	°API	32.0		Pass
	Density @ 15°C	839.2	kg/m ³	820	845	Pass
ASTM D976	Cetane Index	51.0		46.0		Pass
ASTM D5453	Sulfur Content	14	ppm Wt		15	Pass
ASTM D93	Corrected Flash Point - Procedure A	63.0	°C	60.0		Pass
ASTM D664	Acid Number	0.06	mg KOH/g		0.50	Pass
² ASTM D2274	Total Insolubles (Oxidation Stability)	2	mg/L		25	Pass
ASTM D4530	Micro Method Carbon Residue 10%	<0.1	Wt %		0.3	Pass
ASTM D2500	Cloud Point	-11	°C			
ASTM D97	Pour Point	-24	°C		0	Pass
ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
ASTM D482	Ash	<0.010	Wt %		0.010	Pass
ASTM D86	10% Recovery	202.0	°C			
	50% Recovery	268.0	°C		288.0	Pass
	90% Recovery	327.0	°C	282.0	338.0	Pass
	Final Boiling Point	350.0	°C			
	Residue	1.0	% Vol		2.0	Pass
	Loss	0.5	% Vol		2.0	Pass
ASTM D1500	ASTM Color	1.5		<= 2.5		Pass
ASTM D2624	Electrical Conductivity	224	pS/m	25		Pass

Material conforms to the Curoil ULSD requirements on above relevant point(s) of testing

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Results are only representative of the sample tested. All tests have been performed using the latest version unless otherwise indicated. This report shall not be reproduced except in full without written approval of Intertek. Report is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms>

The analysis results denoted by (2) were performed by CRU Refinery laboratory. Intertek cannot accept liability for the accuracy of any results not performed by its own laboratories.



Signed: _____

Glenn Gustina, Branch Coordinator

Date: 15-Jan-2024