

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

Our Reference Number: NA100-0007841  
Lab Reference Number: 2024-CURA-000034  
Customer Reference Number: Castor

**Comment** Preliminary Report of Analysis

<b>Customer Product Description:</b> ULSD	<b>Sample ID:</b> 2024-CURA-000034-001
<b>Location:</b> Prins Hendrik Wharf, Curacao, , Netherlands Antilles	<b>Date Sampled:</b> 05-Mar-2024
<b>Sample Representing:</b> Vessel Castor Volumetric Composite Before Discharge	<b>Date Submitted:</b> 05-Mar-2024
<b>Drawn By:</b> Intertek	<b>Date Tested:</b> 07-Mar-2024

Method	Property	Result	Units	Min	Max	P/F
ASTM D445	Kinematic Viscosity at 40 °C	2.079	mm <sup>2</sup> /s	2.0	4.1	Pass
ASTM D4052	API Gravity @ 60°F	40.5	°API	32.0		Pass
	Density @ 15°C	822.1	kg/m <sup>3</sup>	820	845	Pass
	Specific Gravity @ 60°F	0.8225				
ASTM D976	Cetane Index	49.8		46.0		Pass
ASTM D5453	Sulfur Content	<15	ppm Wt		15	Pass
ASTM D93	Corrected Flash Point	62.5	°C	60.0		Pass
ASTM D664	Acid Number	0.06	mg KOH/g		0.50	Pass
ASTM D4530	Micro Method Carbon Residue 10%	<0.1	Wt %		0.3	Pass
ASTM D2500	Cloud Point	-18	°C			
ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
ASTM D482	Ash	<0.010	Wt %		0.010	Pass
ASTM D86	Initial Boiling Point	168.0	°C			
	10% Recovery	190.0	°C			
	50% Recovery	230.0	°C		288.0	Pass
	90% Recovery	314.0	°C	282.0	338.0	Pass
	Final Boiling Point	344.0	°C			
	Residue	1.5	% Vol		2.0	Pass
	Loss	0.5	% Vol		2.0	Pass
ASTM D1500	ASTM Color	<1		<= 2.5		Pass

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

## Report of Analysis

Our Reference Number: NA100-0007841

Lab Reference Number: 2024-CURA-000034

Customer Reference Number: Castor

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Signed By: \_\_\_\_\_  
Glenn Gustina, Branch Coordinator

Date: 07-Mar-2024

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Melina Ramos  
1201 Louisiana Street  
Suite 1400  
Houston, TX 77002  
United States of America

Our Reference Number: NA100-0007841  
Lab Reference Number: 2024-CURA-000034  
Customer Reference Number: HV51112

**Comment** Preliminary Report of Analysis

<b>Customer Product Description:</b> ULSD	<b>Sample ID:</b> 2024-CURA-000034-001
<b>Location:</b> Prins Hendrik Wharf, Curacao, , Netherlands Antilles	<b>Date Sampled:</b> 05-Mar-2024
<b>Sample Representing:</b> Vessel Castor Volumetric Composite Before Discharge	<b>Date Submitted:</b> 05-Mar-2024
<b>Drawn By:</b> Intertek	<b>Date Tested:</b> 07-Mar-2024

Method	Property	Result	Units	Min	Max	P/F
ASTM D445	Kinematic Viscosity at 40 °C	2.079	mm <sup>2</sup> /s	2.0	4.1	Pass
ASTM D4052	API Gravity @ 60°F	40.5	°API	32.0		Pass
	Density @ 15°C	822.1	kg/m <sup>3</sup>	820	845	Pass
	Specific Gravity @ 60°F	0.8225				
ASTM D976	Cetane Index	49.8		46.0		Pass
ASTM D5453	Sulfur Content	<15	ppm Wt		15	Pass
ASTM D93	Corrected Flash Point - Procedure A	62.5	°C	60.0		Pass
ASTM D664	Acid Number	0.06	mg KOH/g		0.50	Pass
ASTM D4530	Average Micro Method Carbon Residue 10% Distillation Residue	<0.1	Wt %		0.3	Pass
ASTM D2500	Cloud Point	-18	°C			
ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
ASTM D482	Ash	<0.010	Wt %		0.010	Pass
ASTM D86	Initial Boiling Point	168.0	°C			
	10% Recovery	190.0	°C			
	50% Recovery	230.0	°C		288.0	Pass
	90% Recovery	314.0	°C	282.0	338.0	Pass
	Final Boiling Point	344.0	°C			
	Residue	1.5	% Vol		2.0	Pass
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ASTM D1500	ASTM Color	<1		<= 2.5		Pass

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

Signed By: \_\_\_\_\_  
Glenn Gustina, Branch Coordinator

Date: \_\_\_\_\_