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Preliminary Report of Analysis

AmSpec Services, LLC
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Our Reference Number: NA100-0008320
Lab Reference Number: 2025-CURA-000069
Customer Reference Number: Analysis Only

Customer Product Description: ULSD
Location: Curacao, Curacao, , Netherlands Antilles
Sample Representing: Shore Tank 06 Average After Discharge
Drawn By: Client

Sample ID: 2025-CURA-000069-005
Date Sampled: 24-May-2025
Date Submitted: 24-May-2025
Date Tested: 13-Jun-2025

	Method	Property	Result	Units	Min	Max	P/F
	ASTM D445	Kinematic Viscosity at 40 °C	2.811	mm²/s	2.0	4.1	Pass
	ASTM D4052	API Gravity @ 60°F	39.4	°API	32.0		Pass
		Density @ 15°C	827.7	kg/m³	820	845	Pass
		Specific Gravity @ 60°F	0.8281				
	ASTM D976	Cetane Index	55.9		46.0		Pass
	ASTM D5453	Sulfur Content	7.4	ppm Wt		15	Pass
	ASTM D93	Corrected Flash Point	67.0	°C	60.0		Pass
3	ASTM D664	Acid Number	0.05	mg KOH/g		0.50	Pass
3	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	-8	°C			
	ASTM D97	Pour Point	-12	°C		0	Pass
	ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
	ASTM D482	Ash	<0.010	Wt %		0.010	Pass
	ASTM D6079	Major Axis	390	µm			
		Minor Axis	390	µm			
		Wear Scar Diameter	390	µm		460	Pass
	ASTM D86	Initial Boiling Point	175.0	°C			
		10% Recovery	209.0	°C			
		50% Recovery	272.0	°C		288.0	Pass
		90% Recovery	332.0	°C	282.0	338.0	Pass
		Final Boiling Point	356.0	°C			
		Residue	1.0	% Vol		2.0	Pass
		Loss	0.5	% Vol		2.0	Pass
	ASTM D1500	ASTM Color	0.5		<= 2.5		Pass
2	ASTM D130	Copper Corrosion @ 50°C (122°F)/3 hr	1a			Max No. 3	Pass
2	ASTM D613	Cetane Number	56.1		46.0		Pass
2	ASTM D1319	Aromatics	18.8	Vol %		35.0	Pass
2	EN 12662	Total Contamination	<12.0	mg/kg		24.0	Pass
2	ASTM D7111	Silicon	<0.10	mg/kg			
3	ASTM D2624	Temperature	21.0	°C			
		Electrical Conductivity	155	pS/m	25		Pass

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Location:	Curacao, Curacao, , Netherlands Antilles	**Date Sampled:**	24-May-2025
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	Method	Property	Result	Units	Min	Max	P/F
	ASTM D95	Water Content	<0.01	Vol %		0.02	Pass
2	EN 12916	Polycyclic Aromatic Hydrocarbons	Pending	%(m/m)		8.0	
2	EN 16576	Manganese	<0.50	mg/L			
2	ASTM D7359	Total Chlorine	<1.0	mg/kg			

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

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The sample was submitted for testing purposes. Intertek cannot accept liability for the representativeness of the sample.

Signed By: _____ Date: 13-Jun-2025

Glenn Gustina, Branch Coordinator