



Certificate of Analysis

Vessel / Object: UNIQUE INFINITY (9540833)
Location: St. Croix / Limetree Bay Terminal (Virgin Islands, U.S.)
Job Type: Load
Product Grade: ULSD
Client Reference: Antilles Trading Company SEZC

Job No: 210-24-00049
Date Sampled: 01/16/24
Date Tested: 01/17/24
Version: 1 / 17 Jan 2024 05:32

Sample 210-24-00049-013 **Sample ID, Type & Description** 2W (SOL ULSD Slate) Composite After Load

<u>Method</u>	<u>Test</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>	<u>Remarks</u>
ASTM D4052	Gravity by Digital Density Meter API Gravity @60°F Density @15°C	30.0	39.0	37.1 839.0	° kg/m³	
ASTM D4176 proc 1	Appearance	C&B		Clear and Bright		
ASTM D1319	Aromatics		35	25.8	%vol	
ASTM D482	Ash Content		0.01	< 0.010	mass%	
ASTM D976	Calculated Cetane Index	45		46.9		
ASTM D613	Ignition Quality Cetane Number	40		47.4		
ASTM D2500	Cloud Point		6	-15	°C	
ASTM D1500	ASTM Color		2.0	1.5		
ASTM D2624	Electrical Conductivity	50		131	pS/m	
ASTM D130	Copper Strip Corrosion Rating @100°C/212°F for 1 Hour		1	1A		
ASTM D86	Distillation Recovered					
	10%			200.8	°C	
	50%		292	257.9	°C	
	90%	282	360	321.8	°C	
	95%			339.4	°C	
	FBP			350.2	°C	
	Residue			1.4	%vol	
ASTM D93A	Flash Point	60		62.0	°C	
ASTM D4176 proc. 2	Haze Rating (25°C Ambient)		2	1		
ASTM D6079	Lubricity Average Wear Scar Diameter		460	460	µm	
ASTM D974	Acid Number		0.50	0.03	mg KOH/g	
Visual/Olfactory	Odor	Marketable		Marketable		
ASTM D2274	Oxidation Stability Total Insolubles		1.6	Pending	mg/100 cm³	
ASTM D97	Pour Point		0	-18	°C	
ASTM D2622	Total Sulfur Content		15	8.6	ppmw	
ASTM D7042	Kinematic Viscosity @40°C/104°F	1.9	4.1	2.320	cSt	
ASTM D4868	Lower Heating Value	152,500		154,796	BTU/imp. Gal	
ASTM D7371*	Biodiesel (FAME) Content (in Diesel)			0.14	%vol	
ASTM D2709	Water and Sediment		0.05	< 0.01	%vol	

Redacted under Sec 23 (1) FOI Act (2021 Revision)