



Certificate of Analysis

Vessel / Object: UNIQUE INFINITY (9540833)
Location: St. Croix / Limetree Bay Terminal (Virgin Islands, U.S.)
Job Type: Load
Product Grade: 93OI Gasoline

Job No: 210-24-00049
Date Sampled: 01/10/24
Date Tested: 01/10/24
Version: 1 / 15 Jan 2024 16:08

<u>Sample</u>	<u>Sample ID, Type & Description</u>					
210-24-00026-067	ST 6840 Running After Discharge					
<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			56.9	°	
	Density @15°C			750.9	kg/m ³	
ASTM D4176 proc 1	Appearance	C&B		Clear and Bright		
ASTM D1319	Hydrocarbon types by FIA (Aromatics, Olefins & Saturates)					
	Aromatics			35.6	%vol	
	Olefins			10.8	%vol	
ASTM D3606 Proc. B	Benzene		3.8	0.52	%vol	
Visual	Color		Undyed	Undyed		
ASTM D130	Copper Strip Corrosion Rating @50°C/122°F for 3 Hours		1	1A		
ASTM D7671A	Silver Corrosion @50°C/122°F for 3 Hours		1	1		
ASTM D86	Distillation Recovered					
	10%		65	53.4	°C	
	50%	77	116	106.0	°C	
	90%		190	143.7	°C	
	FBP		221	181.8	°C	
	Residue		2	1.0	%vol	
ASTM D4814	Driveability Index °C		591	542		
ASTM D4952	Doctor Test		Negative	Negative		
			(Sweet))			
ASTM D3227	Mercaptan Sulfur		15	< 3	ppmw	
ASTM D381	Existent Gum Content		4	0.5	mg/100ml	
ASTM D3237	Lead		0.002	N.D.	g/US gal	
ASTM D2699	Research Octane Number by Compression Ratio	97.0		98.6		
ASTM D2700	Motor Octane Number by Compression Ratio			87.8		
ASTM D4814	Antiknock Index (R+M)/2	93.0		93.2		
ASTM D4815	Oxygenates in Gasoline					
	MTBE		0	□□□□□	%vol	
	Total Oxygen Content		0.1	□□□□□	%wt	
ASTM D3231-18	Phosphorus		0.004	N.D.	g/US gal	
Visual/Olfactory	Odor	Marketable		Marketable		
ASTM D525	Oxidation Stability @100°C	240		> 240	mins	
ASTM D5191	DVPE @ 100F° (ASTM EQ)		10.0	9.68	psi	
ASTM D2622*	Total Sulfur Content		50	6.2	ppmw	
Calc	VLI		14.5	12		

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

Title: Lab Shift Lead

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