



Certificate of Analysis

Vessel / Object: STI GALATA (9785689)
Location: Port Arthur, TX / GT Gulfway (United States)
Job Type: Load
Product Grade: CUR-95 RON
Client Reference: Atlantic Trading & Marketing Inc. / HV50993

Job No: 160-24-03573
Date Sampled: 07/19/24
Date Tested: 07/19/24
Version: 1 / 24 Jul 2024 08:58

Sample 160-24-03573-033 **Sample ID, Type & Description** 4S/5P/5S Volumetric 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	720.0	775.0	56.3 753.2	° kg/m³	
Visual	Visual Appearance at 20°C	Clear & Bright		Clear and Bright		
ASTM D130	Copper Strip Corrosion Rating @50°C/122°F for 3 Hours		1	1A		
ASTM D86	Distillation Evaporated IBP 10% 50% 90% FBP Residue % Evaporated @ 70°C	30 40 80		33.7 53.1 93.3 160.9 206.2 0.7 30.7	°C °C °C °C °C %vol %vol	
ASTM D381	Existent Gum Content		4.0	< 1	mg/100ml	
ASTM D2699	Research Octane Number	95.0		95.2		
ASTM D2700	Motor Octane Number	85.0		85.2		
ASTM D4814	Antiknock Index (R+M)/2			90.2		
ASTM D3606-20e1	Benzene		1.00	0.64	%vol	
ASTM D1319	Hydrocarbon types by FIA (Aromatics, Olefins & Saturates) Aromatics Olefins Aromatics and Olefins			35 18.0 45.0	26.6 4.7 31.3	%vol %vol %vol
ASTM D6304A	Water Concentration			274	ppmw	
ASTM D525	Oxidation Stability @100°C	360		361	mins	
ASTM D4815	Oxygenates in Gasoline Total Oxygen Content Total Oxygenates Total oxygenates (MTBE + ETBE + ETHANOL) Methanol		2.70	2.55 > 12.00	%wt %wt	
ASTM D5191	DVPE @ 100F° (ASTM CALC AVG)		8.7	8.09	psi	
ASTM D2622-16	Total Sulfur Content (Origin)		30	13.1	mg/kg	
ASTM D4952	Doctor Test	Negative		Negative		
ASTM D3227	Mercaptan Sulfur		0.0015	0.0003	%wt	
ASTM D3231	Phosphorus		1	< 0.20	mg/L	
ASTM D3831	Manganese Content of Gasoline		0	< 0.2	mg/L Mn	
ASTM D3237	Lead		5	< 2.5	mg/L	
ASTM D5708A**	Silicon Content			< 1.0	mg/kg	



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160-24-03573-033	4S/5P/5S Volumetric 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 D7536	Total Chloride Concentration			< 0.2	mg/kg	

Notes: RESULTS ARE VALID "AS AT" DATE AND LOCATION LISTED
All samples were obtained per ASTM D4057, 40 CFR1090.1335 and are retained in compliance with 40 CFR 1090.1345