



**Certificate of Analysis**

**Vessel / Object:** UOG SYROS (9472751)  
**Location:** Port Arthur, TX / GT Gulfway (United States)  
**Job Type:** Load  
**Product Grade:** CUR-95 Ron Gasoline  
**Client Reference:** Atlantic Trading & Marketing Inc. / HV53195

**Job No:** 160-24-05187  
**Date Sampled:** 10/24/24  
**Date Tested:** 10/26/24  
**Version:** 1 / 28 Oct 2024 18:37

<u>Sample</u>	<u>Sample ID, Type &amp; Description</u>					
160-24-05187-016	1P Running After Load					
<u>Method</u>	<u>Test</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>	<u>Remarks</u>
ASTM D5191	DVPE @ 100F° (ASTM EQ)			8.65	psi	
ASTM D5705##	Hydrogen Sulfide Content @ Ambient Temperature			0	ppm v/v	

<u>Sample</u>	<u>Sample ID, Type &amp; Description</u>					
160-24-05187-017	1S Running After Load					
<u>Method</u>	<u>Test</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>	<u>Remarks</u>
ASTM D5191	DVPE @ 100F° (ASTM EQ)			8.63	psi	
ASTM D5705##	Hydrogen Sulfide Content @ Ambient Temperature			0	ppm v/v	

<u>Sample</u>	<u>Sample ID, Type &amp; Description</u>					
160-24-05187-018	6P Running After Load					
<u>Method</u>	<u>Test</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>	<u>Remarks</u>
ASTM D5191	DVPE @ 100F° (ASTM EQ)			8.61	psi	
ASTM D5705##	Hydrogen Sulfide Content @ Ambient Temperature			0	ppm v/v	

<u>Sample</u>	<u>Sample ID, Type &amp; Description</u>					
160-24-05187-019	6S Running After Load					
<u>Method</u>	<u>Test</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>	<u>Remarks</u>
ASTM D5191	DVPE @ 100F° (ASTM EQ)			8.60	psi	
ASTM D5705##	Hydrogen Sulfide Content @ Ambient Temperature			0	ppm v/v	

<u>Sample</u>	<u>Sample ID, Type &amp; Description</u>					
160-24-05187-032	1P,1S,6P,6S, 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			57.1	°	
	Density @15°C	720.0	775.0	750.2	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		



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**Client Reference:** Atlantic Trading & Marketing Inc. / HV53195

**Job No:** 160-24-05187  
**Date Sampled:** 10/24/24  
**Date Tested:** 10/26/24  
**Version:** 1 / 28 Oct 2024 18:37

**Sample** 160-24-05187-032 **Sample ID, Type & Description** 1P,1S,6P,6S, Volumetric Composite After Load

<b>Method</b>	<b>Test</b>	<b>Min</b>	<b>Max</b>	<b>Result</b>	<b>Units</b>	<b>Remarks</b>
ASTM D86	Distillation Evaporated					
	IBP	30		31.8	°C	
	10%	40	70	49.6	°C	
	50%	80	115	89.3	°C	
	90%		180	157.3	°C	
	FBP		215	201.3	°C	
	Residue		2.0	1.1	%vol	
	% Evaporated @ 70°C			33.2	%vol	
ASTM D381	Existent Gum Content		4.0	< 1	mg/100ml	
ASTM D2699	Research Octane Number	95.0		95.1		
ASTM D2700	Motor Octane Number	85.0		85.7		
ASTM D4814	Antiknock Index (R+M)/2			90.4		
ASTM D3606-20e1	Benzene		1.00	0.54	%vol	
ASTM D1319	Hydrocarbon types by FIA (Aromatics, Olefins & Saturates)					
	Aromatics		35	14.7	%vol	
	Olefins		18.0	2.4	%vol	
	Aromatics and Olefins		45.0	17.1	%vol	
ASTM D6304A	Water Concentration			333	ppmw	
ASTM D525	Oxidation Stability @100°C	360		>360	mins	
ASTM D4815	Oxygenates in Gasoline					
	Total Oxygen Content		2.70	2.60	%wt	
	Total Oxygenates Total oxygenates (MTBE + ETBE + ETHANOL)			14.39	%wt	
	Methanol		3.0	< 0.20	%vol	
ASTM D5191	DVPE @ 100F° (ASTM CALC AVG)		8.7	8.62	psi	
ASTM D2622-16	Total Sulfur Content (Origin)		30	6.8	mg/kg	
ASTM D4952	Doctor Test	Negative		Negative		
ASTM D3227	Mercaptan Sulfur		0.0015	0.0004	%wt	
ASTM D3231	Phosphorus		1	0	mg/L	
ASTM D3831	Manganese Content of Gasoline		0	0	mg/L Mn	
ASTM D3237	Lead		5	0	mg/L	
ASTM D5708A**	Silicon Content			0	mg/kg	
ASTM D7536	Total Chloride Concentration			0	mg/kg	