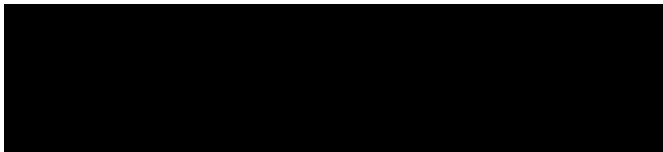


Certificate of Analysis

Client:	Rubis Eastern Caribbean	Client Reference Number:	UOG Constantine G V01/24
Job Location:	Citgo Petroleum Corporation		
Our Reference Number:	US250-0023600		
Lab Reference Number:	2024-LACH-000273		

Sample ID:	2024-LACH-000273-041	Date Taken:	13-Mar-2024
Sample Designated As:	Gasoline Conventional Regular 95RON	Date Submitted:	13-Mar-2024
Vessel/Location:	UOG CONSTANTINE	Date Tested:	13-Mar-2024
Representing:	UOG Constantine - 95RON Composite After Load		

Method	Test	Result	Unit	Specs	Pass / Fail
ASTM D4176	Appearance	Clear & Bright		Clear & Bright	Pass
ITM 5005	Visual Color	Undyed		Undyed	Pass
ASTM D4052	API Gravity @ 60°F	59.1	°API	Report	
ASTM D4052	Density @ 15°C	742.1	kg/m ³	720 - 780	Pass
ASTM D86	10% Evaporated	50.2	°C	Max 65	Pass
ASTM D86	50% Evaporated	102.9	°C	77 - 118	Pass
ASTM D86	90% Evaporated	159.1	°C	Max 190	Pass
ASTM D86	Final Boiling Point	196.7	°C	Max 225	Pass
ASTM D86	Residue	1.0	Vol %	Max 2	Pass
ASTM D4814	Driveability Index	543		Max 591	Pass
ASTM D381	Average Washed Gum Content	<0.5	mg/100ml	Max 5	Pass
ASTM D3237	Lead Content	N/D	mg/USgal	Max 50	Pass
ASTM D2699	Research Octane Number	95.8		Min 95	Pass
ASTM D2700	Motor Octane Number	85.2		Min 83	Pass
ASTM D4814-X1.4	Antiknock Index (Octane Rating)	90.5		Min 89	Pass
ASTM D130	Copper Corrosion @ 50°C (122°F)/3 hr	1a		Max 1	Pass
ASTM D3231	Phosphorus Content	N/D	mg/USgal	Max 5	Pass
ASTM D2622	Sulfur Content	0.00073	% Mass	Max 0.008	Pass
ASTM D4952	Doctor Test	Negative		Negative	Pass
ASTM D3227	Mercaptan Sulfur	0.0006	% Mass	Max 0.0015	Pass
ASTM D1319	Aromatics	34.2	Vol %	Report	
ASTM D3606	Benzene	<0.07	Vol %	Max 5	Pass
ASTM D1296	Odor	Marketable		Marketable	Pass
ASTM D525	Induction Period @ 100°C	>240	min	Min 240	Pass
ASTM D5191	Dry Vapor Pressure Equivalent, ASTM	9.60	psi	Max 10	Pass
ASTM D4815	Total Oxygen	N/D	% Mass	Max 0.35	Pass
ASTM D4815	MTBE	N/D	% Mass	Max 0.5	Pass
ASTM D4815	Ethanol	N/D	% Mass	Max < 0.2	Pass
ASTM D3831	Mn as MMT	N/D	mg/L	Undetectable	Pass



Date: 3/13/24

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