



ISO/IEC 17025:2017
18-LAB-006

Certificate of Analysis

Nomination ID: COCNG-23-02102

Bureau Veritas Corporation
Cienaga Laboratory
Vía 40 No 85-999, Parque Logístico Logika bodegas
B11, B12 y B13
Barranquilla, Colombia
E: marilyn.munoz@bureauveritas.com

Vessel / Tank :	NOT APPLICABLE	Date Sampled :	
Product :	Gasoline	Dated Received :	04-Jul-2023
Client :	Odin Petróil	Date Analyzed :	05-07-Jul-2023
Client Address :	Km 1 Vía San Francisco Mamatoco Troncal, Santa Marta	Date Reported :	10-Jul-2023
Submitted by :	ODIN PETROIL S.A	Job Number :	02-8008-1

Petróil 90 Gasolina Premium sin oxigenante Submitted Sample		
COCNG-23-02102-001		
Method	Test	Result
IAC - 053 **	RON	90.2
	MON	82.4
	R+M / 2	86.3
ASTM D3237 -17	Lead Content, mg/L	5.8
	Lead Content, g/L	0.0058
ASTM D1319 -20a	Aromatics, % (V/V)	33.5
ASTM D3606B -17 **	Benzene, % (V/V)	0.40
ASTM D2622 -21	Total Sulfur Content, mg/kg	34.3
ASTM D130 -19	Corrosion Copper Strip - 3h at 50°C (122°F)	1a
ASTM D381 -22	Sample Filtered	No
	Unwashed Gum Content, mg/100mL	17.5
	Washed Gum Content, mg/100mL	0.5
ASTM D525 -12a(2019)	Induction Period at 100°C, Minutes	>240
ASTM D86 -20b	Obs Baro Pressure, kPa	101.3
	Manual/Automated	Manual
	IBP, °C	40.0
	5% Recovered, °C	61.0
	10% Recovered, °C	70.5
	20% Recovered, °C	85.5
	30% Recovered, °C	98.5
	40% Recovered, °C	109.5
	50% Recovered, °C	119.5
	60% Recovered, °C	130.0
	70% Recovered, °C	142.5
	80% Recovered, °C	155.0
	90% Recovered, °C	161.0
	95% Recovered, °C	166.0
	Endpoint, °C	192.0
	Recovery, % (V/V)	98.5
	Residue, % (V/V)	1.0
Loss, % (V/V)	0.5	
Drying Agent Used	No	
ASTM D5191, ASTM Calc. -20	DVPE, psi	5.72
	DVPE, kPa	39.4
	Hazy	No
	Container Size	1 L
	Bath Verification	Yes
ASTM D1296 -23 **	Odor	Characteristic
ASTM D4052 -22	API Gravity @60°F, °API	54.2
	Density at 60°F, g/mL	0.7614

Job Comments

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Marilyn Muñoz ,Laboratory Supervisor

*Test(s) marked as (**) is/are not in the scope of 18-LAB-006 certificate issued by ONAC*

End of Certificate