

Client:	ATMI / Curoil N.V.	Date Sampled :	March 17, 2024
Job Location:	Emmastad	Date Submitted :	March 17, 2024
Product:	Premium Unleaded Gasoline	Date Tested :	March 17, 2024
Product source:	Vessel Hafnia Andrea	Date Issued :	April 02, 2024
Sample Description : Volumetric Vessel Composite			

Test	Method	Specification		Results	Units
		Minimum	Maximum		
Specific Gravity at 60/60°F *	ASTM D1298			0.7508	
API at 60°F *	ASTM D1298	Report		57.0	Degrees
Density at 15°C *	ASTM D1298	720.0	775.0	750.5	kg/m3
Appearance *	Visual	Clear & Bright		Clear & Bright	
Copper Strip 3 Hr/50°C *	ASTM D130		1	1A	
Distillation *	ASTM D86				
Distillation IBP *	ASTM D86	30		36.2	°C
Distillation 10% Recovered *	ASTM D86	40	70	55.0	°C
Distillation 50% Recovered *	ASTM D86	80	115	88.9	°C
Distillation 90% Recovered *	ASTM D86		180	159.4	°C
Distillation FBP *	ASTM D86		215	199.4	°C
Distillation Residue *	ASTM D664		2	1.1	%vol
Evaporated @70°C *	ASTM D86	Report		31.4	%vol
Existent Gum *	ASTM D381		4.0	<0.5	mg/100ml
Antiknock Index (R+M/2) *	CALC	Report		90.7	O.N.
Motor Octane Number *	ASTM D2700	85.0		85.9	M.O.N.
Research Octane Number *	ASTM D2699	95.0		95.4	R.O.N.
Aromatic Content *	ASTM D1319		35.0	33.5	%vol
Olefines Content *	ASTM D1319		18.0	10.7	%vol
Olefines and Aromatics *	ASTM D1319		45.0	44.2	%v
Benzene Content	ASTM D3606		1.00	0.66	%v
Water Content	ASTM D6304	Report		313	mg/Kg
Oxidation Stability *	ASTM D525	360		>360	min
Oxygen Content	ASTM D4815		2.7	2.71	%m
Oxygenates Content		Report		15.06	%vol
Methanol Content	ASTM D4815		3.0	<0.20	%vol
Reid Vapor Pressure @ 100F *	ASTM D5191		8.7	8.26	psi
Sulphur Content	ASTM D2622		30	14.2	mg/kg
Doctor Test *	ASTM D4952	Negative		Positive	
Mercaptan Sulphur *	ASTM D3227		0.0015	0.0006	%m
Odor *		Marketable		Marketable	
Phosphorus	ASTM D3231		1	<0.20	mg/L
Lead Content	ASTM D3237		5	<2.5	mg/L
Manganese Content	ASTM D3831			<0.3	mg/L
Silicon Content	ASTM D7757	Report		<1.00	mg/kg
Chloride Content	ASTM D5808	Report		0.7	mg/kg
Comment					

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The analysis results denoted () were performed by CRU Refinery Lab.
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For Intertek Curacao _____

Glenn Gustina
Branch Coordinator