

CERTIFICATE OF QUALITY

VESSEL
CARGO
SHORETANK No.
BL DATE
BL NUMBER
PORT
BERTH
OPERATION

GILLA
GASOLINE SM EN 228
B87
08-11-2025
431
MIDIA, ROMANIA
9A
LOADING

TO IM ROMPETROL MOLDOVA SA

CARACTERISTICA	UM	LIMITE		METODA DE INCERCARE	REZULTAT
		Min.	Max.		
Cifra octanica "Research", COR		95,0	-	ASTM D 2699-23 ² SR EN ISO 5164:2014 ² / EN ISO 5164:2014 ² / ISO 5164:2014 ²	97.1
Cifra octanica "Motor", COM		85,0	-	SR EN ISO 5163:2014 ² / EN ISO 5163:2014 ² / ISO 5163:2014 ² / ASTM D 2700-23 ²	85.0
Continut de plumb ³	mg/l	-	5,0	SR EN 237:2005 ² / EN 237:2004 ² / ASTM D 3237-22 ²	<2.5
Densitate (la 15 °C)	kg/m ³	720,0	775,0	ASTM D 4052-22 ² / ASTM D 1298-12b(2017)e1 SR EN ISO 3675:2002 / SR EN ISO 3675:2002 / C91:2005 EN ISO 3675:1998 / ISO 3675:1998	743.8
Continut de sulf	mg/kg	-	10,0	SR EN ISO 12185:2003 ² / EN ISO 12185:1996 ² / ISO 12185:1996 ² SR EN ISO 20846:2020 ² / EN ISO 20846:2019 ² / ISO 20846 :2019 ² / SR EN ISO 20884:2020 ² / SR EN ISO 20884:2020 ² / A1:2021 ² / EN ISO 20884:2019 ² / EN ISO:2019 ² / A1:2021 ² / ISO 20884:2019 ² / ISO 20884:2019 ² / Amd1:2021 ² ASTM D 3455-21 ² / ASTM D 4463-19a ²	<3
Continut de mangan ³	mg/l	-	2,0	EN 16135:2011 ² / SR EN 16135:2012 ² / IP 592/11 ²	<2
Stabilitate la oxidare ³	minute	360	-	SR EN ISO 7536:2001 ² / EN ISO 7536:1996 ² / ISO 7536:1994 ² ASTM D 525-12a(2019) ²	>900
Continut de gume actuale (spalate cu solventi)	mg/100 ml	-	5	SR EN ISO 6246:2017 ² / SR EN ISO 6246:2017/A1:2020 ² / EN ISO 6246:2017 ² / EN ISO 6246:2017/A1:2019 / ISO 6246:2017 ² / ISO 6246:2017/AMD 1:2019 ² / ASTM D 381-22 ²	1.0
Corozivitate pe lama de cupru (3 h la 50 °C)	evaluare	clasa 1		SR EN ISO 2160:2003 ² / EN ISO 2160:1998 ² / ISO 2160:1998 ² ASTM D 130-19 ²	1b
Aspect	Limpede si transparent			Inspectie vizuala	Limpede si transparent
Tipul de hidrocarburi continute	% (v/v)			SR EN 15553:2022 ² / EN 15553:2021 ²	
- cefinice		-	18,0	SR EN ISO 22854:2021 ² / EN ISO 22854:2021 ² / ISO 22854:2021 ²	14.4
- aromactice		-	35,0	ASTM D 1319-20a ² / ASTM D 6839-21a	31.1
Continut de benzen	% (v/v)	-	1,00	SR EN ISO 22854:2021 ² / EN ISO 22854:2021 ² / ISO 22854:2021 ² ASTM D 6839-21a	0.81
Continut de oxigen	% (m/m)	-	3,7	SR EN ISO 22854:2021 ² / EN ISO 22854:2021 ² / ISO 22854:2021 ² ASTM D 6839-21a	2.30
Continut de compusi oxigenati	% (v/v)				
-metanol		-	3,0		0.07
-etanol ⁴		-	10,0		<0.03
-alcool izopropilic		-	12,0	SR EN ISO 22854:2021 ² / EN ISO 22854:2021 ² / ISO 22854:2021 ² ASTM D 6839-21a	<0.03
-alcool izobutiric		-	15,0		<0.03
-alcool tert butiric		-	15,0		<0.03
-eteri (5 sau mai multi atomi de carbon)		-	22,0		12.28
MTBE	% (v/v)				12.19
ETBE	% (v/v)				0.09
TAME	% (v/v)				<0.03
-alti compusi oxigenati		-	15,0		<0.03
Bio-carburant ⁵	% (v/v)	se raporteaza		% (v/v) bio = % (v/v) bio-etanol + 0,46x% (v/v) bio-ETBE	-
Distilare					
Procente evaporate la 70°C, E70	% (v/v)				
- vara ¹		22,0	50,0		
- larna ¹		24,0	52,0		
- tranzitie ¹		22,0	52,0		
Procente evaporate la 100°C, E100 (vara ¹ , larna ¹ , tranzitie ¹)	% (v/v)	46,0	72,0		
Procente evaporate la 150°C, E150 (vara ¹ , larna ¹ , tranzitie ¹)	% (v/v)	75,0	-		
Punct final de fierbere, PF	°C	-	210		87.7
Rezidu de distilare	% (v/v)	-	2		201.2
Presiune de vapor, VP	kPa				0.9
- vara ¹		45,0	60,0 ⁴		
- larna ¹		60,0	90,0		
- tranzitie ¹		45,0	90,0		
Indice de volatilitate, VLI					86.2
- vara ¹		-	-		
- larna ¹		-	-		
- tranzitie ¹		-	-		
			1164		1109

Vara : 1 mai - 30 septembrie, Tranzitie : 15 martie - 30 aprilie, 1 octombrie - 15 noiembrie, larna : 16 noiembrie - 14 martie

Sample Origin: SHORE TANKS COMPOSITE BEFORE LOADING

Tests were performed in ROMPETROL LABORATORY and witnessed by GKV inspectors.

When analysis witnessed by G.K.V. Ltd. Inspector, our responsibility is solely to ensure that the analysis is conducted to standard test methods according with accepted industry practice. We are not responsible for spurious instrumentation and measuring devices. Reagents and solvents are accepted as prepared.

For G.K.V. Ltd.

Independent Inspector at Loading Port
Independent Cargo Inspector

Name Catalin Gheorghe
Dated 08-11-2025