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### Certificate of Analysis

Report number : 19701/00058548.1/L/24 Date of sampling : 26-07-2024  
Main Object : ARCHIE Place of sampling : Likitgaz LPG Korfez Terminal  
Report Date : 28-07-2024 Date received : 26-07-2024  
Date of issue : 28-07-2024 Date completed : 26-07-2024  
Sample object : ARCHIE Sample number : 16627535  
Sample type : Sampled  
Sample submitted as : LPG MIX  
Marked : Submitted sample which taken by applicant before loading

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Total Vapour Pressure at 40°C	Q EN ISO 8973	kPa		1430	724
Composition	Q NP EN ISO 27941				
C2		mol %			0.43
C4		mol %			58.18
C5		mol %		2	0.66
Total unsaturated		mol %			0.12
Dienes		mol %		0.5	<0.01
Purity (C3+C4)		mol %	95		98.91
Residue	Q EN 15471	mg/kg		60	<20
Copper Strip Corrosion (1 hr / 40°C)	Q EN ISO 6251	-		1	1a
Total Sulfur	Q ASTM D 6667	mg/kg		50	12.3
Hydrogen Sulfide	Q EN ISO 8819	mass %		Negatif	Negatif
Water content	Q EN 15469	-	Pass		Pass
Odor (EN 589+A1 Annex A)	Q Organoleptic	-	Pass		Pass
Composition	Q EN 27941				
Methane		mass %			<0.01
Elhane		mass %			0.24
Propane		mass %	30		33.98
Propene		mass %			0.08
Isobutane		mass %			21.55
n-Butane		mass %			43.23
2-Trans-Butene		mass %			<0.01
1-Butene		mass %			<0.01
Isobutene		mass %			<0.01
2-cis-Butene		mass %			<0.01
Isopentane		mass %			0.78
n-Pentane		mass %			0.14
1,3-Butadiene		mass %			<0.01
Density at 15°C	ASTM D 1657	kg/m <sup>3</sup>			559.0

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability for the supplied information. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

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