

Certificate of quality Nr. 2071/2072

Liquefied Petroleum Gas, Summer Type (grade C)

Standard: LST EN 589:2018+A1:2022 KN: 27111900 Certificate of quality Registration Date: 15.10.2024

Sampling date: 15.10.2024 Level: 266 Tank No: T-1002

Property	Norm	In fact*	Test method
1. Motor octane number, MON, min	89,0	91,9	LST EN 589 B annex
2. Total dienes content, % m/m, max	0,5	<0,1	LST EN 27941 DIN 51619
3. 1,3 Butadiene, % m/m, max	0,09	<0,01	DIN 51619
4. Propane content, % m/m, min		62,17	LST EN 27941 DIN 51619
5. Hydrogen sulfide	negative	negative	LST EN ISO 8819
6. Total sulfur content (after stenching), mg/kg, max	30	<1	ASTM D 6667
7. Copper strip corrosion (1 h esant 40 °C), rating	class 1	1 class	LST EN ISO 6251
8. Evaporation residue, mg/kg, max	60	22	LST EN 15471
9. Vapour pressure, gauge, at 40 °C, kPa, max	1550	992	LST EN ISO 8973 LST EN ISO 8973/A1 LST EN 589 C annex LST EN ISO 4256
10. Vapour pressure, gauge, at -10 °C, kPa, min	150	178	LST EN ISO 8973 LST EN ISO 8973/A1 LST EN 589 C annex
11. Water content	Pass	Pass	LST EN 15469
12. Odour	Unpleasand and distinctive at 20 % LFL	Unpleasand and distinctive at 20 % LFL	LST EN 589 A annex
13. Density, at 15 °C, kg/l	no normed	0,5300	LST EN ISO 8973 LST EN ISO 8973/A1

* Actual values of quality parameters as indicated in Quality Certificate No 163108 issued by SIA Latvijas Propāna Gāze Company Latvijas Propāna Gāze, being fully responsible, hereby certifies that "LPG, Summer Type (grade C)", related to this declaration, corresponds to the requirements of LST EN 589:2018+A1:2022.

Energija Jūsu dzīvei.

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QUALITY NOTE

To the quality certificate Nr. 2071/2072

Reservoir Nr. T-1002

Product level : 266

Title	Quantity, mass.%
Isobutane	13,00
Buten-1	0,01
Isobutene	0,02
N-butane	22,38
Methane	0,01
Ethylene (Ethene)	0,01
Ethane	2,10
Propylene (Propene)	0,09
Cis-Butene	0,12
Propane	62,17
Trans-Butene	0,01
Isopentane	0,80
N-Pentane	0,01
Butaday-1,3	<0,01
Amount of penten	<0,01
Pro day	<0,01
Acetylene	<0,01
Methylacetylene	<0,01
Vapor pressure, gauge, at 70 °C, kPa	1999
Density, at 50 °C, kg/m ³	485

Note: Liquefied petroleum gas vapour pressure @ 70 °C (kPa) is calculated according to LST EN ISO 8973, LST EN ISO 8973/A1 and density @ 50 °C (kg/m³) is calculated according to GOST 28656.

Date of issue of the quality certificate: 15.10.2024