



Joint Stock Company Syzran Oil Refinery.  
 Legal address and production address:  
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Certificate of quality management system for compliance with the requirements of  
 ISO 9001:2015 No. RU003488 Certificate validity period: until 24.11.2023

Testing center of oil and petroleum products of the refinery 446029, Samara region,  
 Syzran, Astrakhan str., 1,  
 Joint Stock Company Syzran Oil Refinery  
 e-mail: [sekr@snDZ.rosneft.ru](mailto:sekr@snDZ.rosneft.ru). tel.: 8(8464) 98-81-10

## CERTIFICATE № 7 209

### Hydrocarbon gases liquefied fuel grades propane automotive (PA) As to GOST 52087-2018

Designation of the document establishing fuel requirements:  
 Technical Regulation of the Eurasian Economic Union TR EAEU 036/2016 "Requirements for  
 liquefied petroleum gases for their use as fuel". (Decision of the Council of the Eurasian Economic  
 Commission No. 68 dated 09.08.2016) (Appendix) GOST R 52087-2018 "Liquefied petroleum gases.  
 Specifications".

Declaration of Conformity of the EAEU N RU D-RU.CC06.B.00084/19  
 Valid until 26.06.2022

OKPD Code 2 19.20.31.110  
 Batch number: 7 209  
 Date of manufacture: 31.12.2021  
 Batch size (mass): 37.300 t  
 (volume<sup>1)</sup>: 72.385 l

Sampling site (according to GOST 14921-2018): Tank No. 371  
 Date of sampling: 31.12.2021  
 Test date: 31.12.2021

The certificate was issued on the basis of the test report: No. 7 209/3 dated 31.12.2021.



No.	Name of the indicator	Testing method	The norm for the EAEU TR 036/2016 for liquefied petroleum gases used as motor fuel for motor transport	The norm according to GOST R 52087-2018	Actual value
1.	Mass fraction of components, %: - the amount of methane, ethane and ethylene  - the amount of propane and propylene incl. propane - the amount of butanes and butylenes  - the amount of unsaturated hydrocarbons	GOST 10679-2019	-  -  -  maximum 6.0	Not standardized Definition required - 85 ±10 Not standardized Definition required maximum 6.0	1.37  - 78.9 19.7  0.103
2.	Volume fraction of liquid residue at 20°C, %	As to item 8.2 GOST R 52087-2018	maximum 1.6	maximum 0.7	Absence
3.	Saturated vapor pressure is excessive, MPa, at temperature: - plus 45°C - minus 20 °C - minus 30 °C	GOST 28656-2019	maximum 1.6 minimum 0.07 -	maximum 1.6 - minimum 0.07	1.35 0.13 0.08
4.	Mass fraction of hydrogen sulfide and mercaptan sulfur, % - including hydrogen sulfide	GOST 22985-2017	maximum 0.01 maximum 0.003	maximum 0.01 maximum 0.003	0.0032 Less than 0.0002%
5.	Free water and alkali content	As to item 8.2 GOST R 52087-2018	Absence	Absence	Absence
6.	Odor	Appendix A GOST EN 589-2014	Unpleasant and characteristic at a concentration in the air of 20% of the lower limit of flammability	Characteristic unpleasant at a concentration in the air of 20% vol. from the lower limit of flammability	Unpleasant and characteristic at a concentration in the air of 20% of the lower limit of flammability  -
7.	Octane number	Appendix B GOST EN 589-2014	minimum 89.0	minimum 89	95.5
	Density at 20 °C, kg/m3	GOST 28656-2019	-	not standardized	507.8
	Density at 15 °C, kg/m3 (t/l)	GOST 28656-2019	-	not standardized	515.3 (0.0005153)

<sup>1)</sup>the NET volume (liters) of the product is calculated based on the density at 15 °C.

Item 3 according to Note 1 of the Appendix of the EAEU TR 036/2016 and Note 3 of Table 2 of GOST R 52087-2018 - the pressure of saturated vapors of liquefied petroleum gases at temperatures of minus 20 ° C and minus 30 ° C should be determined only in winter.  
 Item 6 according to Note 1 of Table 2 of GOST R 52087-2018 - it is allowed not to determine the "smell" indicator in liquefied gases of grades PA, PBA with a mass fraction of mercaptan sulfur of 0.001% or more.

**Conclusion:**

Hydrocarbon liquefied fuel gas of the propane automobile (PA) grade meets the requirements:

- Technical Regulations of the Eurasian Economic Union TR EAEU 036/2016 "Requirements for liquefied petroleum gases for their use as fuel" (Decision of the Council of the Eurasian Economic Commission dated 09.08.2016 No. 68) (Appendix)  
 - GOST R 52087-2018 "Liquefied petroleum fuel gases. Specifications".

**Information about the presence of an odorant:**

Odorant is missing

**Additional information:**

- transportation and storage according to GOST R 52087-2018 Section 9.  
 - the warranty period of storage is 6 months from the date of manufacture.

**STANDARD**

Shift Supervisor (production No. 4) \_\_\_\_\_ signature \_\_\_\_\_ FULL NAME \_\_\_\_\_

(Power of Attorney no. \_\_\_\_\_ dtd \_\_\_\_\_  
 Certificate issue date 31.12.2021

Manufacturer:  
 Joint Stock Company Syzran Oil Refinery  
 Russian Federation, 446029, Samara region, Syzran, Astrakhan str., 1  
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 ISO 9001:2015 Quality Management System Certificate No. RU003488



РОСНЕФТЬ

**Appendix to Certificate No. 7 209**

**Hydrocarbon gases liquefied fuel grades propane automotive (PA)**

**As to GOST 52087-2018**

No. Item No	Designation of a legislative act, regulatory document or set of rules	Information required for the product description		
		Name of the indicator	Testing method	Actual value
1	CUCC FEA (Letter No. C3-73-80672 dated 14.08.2014)	Mass fraction of propane, %	GOST 10679-2019	78.9
		Mass fraction of propylene, %		0.083
		Mass fraction of butanes, %		19.7
		Mass fraction of butylenes, %		0.020
2	Tax Code of the Russian Federation, Article 181, item 1, sub- item 11	The aggregate state at a temperature of 20 ° C and a pressure of 760 mm Hg.	visually	gas
		Processing name	Atmospheric distillation of crude oil, gas fractionation	

**Shift Supervisor (production No. 4)**  
 (Power of Attorney no. \_\_\_\_ dtd \_\_\_\_)

\_\_\_\_\_ signature

\_\_\_\_\_ Full Name