



Joint Stock Company Syzran Oil Refinery.  
 Legal address and production address:  
 Russian Federation, 446029, Samara region, Syzran, Astrakhan str., 1  
 e-mail: [sekr@snpz.rosneft.ru](mailto:sekr@snpz.rosneft.ru). tel.: 8(84641) 98-81-10

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@snpz.rosneft.ru](mailto:sekr@snpz.rosneft.ru). tel.: 8(8464) 98-81-10

**CERTIFICATE No. 6 494**  
**Hydrocarbon gases liquefied fuel grades propane-butane automobile (PBA)**  
**As to GOST 52087-2018**

Declaration of Conformity of the EAEU N RU D-RU.CC06.B.00085/19  
 Valid until 26.06.2022



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".

OKPD Code 2 19.20.31.110  
 Batch number: 6494  
 Date of manufacture: 04.10.2021  
 Batch size (mass): 34.020 t  
 (volume<sup>1)</sup>: 63.553 l  
 Sampling site (according to GOST 14921-2018): In/c No. 57805 228  
 Date of sampling: 04.10.2021  
 Test date: 04.10.2021

The certificate was issued on the basis of the test report: No. 6 494/3 dated 04.10.2021.

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 - 50±10 Not standardized Definition required maximum 6.0	1.16  - 46.0 52.8  0.122
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	GOST 28656-2019	maximum 1.6 minimum 0.07	maximum 1.6 minimum 0.07	1.02 0.07
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	0.0086 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	94.4
	Density at 20 °C, kg/m3	GOST 28656-2019	-	not standardized	528.3
	Density at 15 °C, kg/m3 (t/l)	GOST 28656-2019		not standardized	535.3 (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 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:**

- - the manufacturer of JSC SNPZ guarantees that the quality of hydrocarbon liquefied fuel gas of the propane-butane automobile (PBA) grade meets the requirements of GOST R 52087-2018, subject to transportation and storage according to GOST 1510-84;

- - the warranty period of storage is 6 months from the date of manufacture.

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

**STANDARD**

(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. 6494**

**Hydrocarbon gases liquefied fuel grades propane-butane automobile (PBA)  
 As to GOST 52087-2018**

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	46.0
		- Mass fraction of propylene, %		0.052
		- Mass fraction of butanes, %		52.7
		- Mass fraction of butylenes, %		0.070
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