



**LIMITED LIABILITY COMPANY  
LLC RN-BUZULUK GAS PROCESSING PLANT**

Legal address: Russia, 461040, Orenburg region, Buzuluk city, Technicheskaya str. 10.

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Production address: Russia, Orenburg region, Pervomaisky district, Zaikinskoe GPP (main stepdown substation)



**QUALITY CERTIFICATE NO. 864  
Hydrocarbon liquefied fuel gas grades  
technical butane (BT) GOST R 52087-2018**

Declaration of Conformity of the EAEU No. RU D-RU.RA01.V.08083/21 is valid until 12.04.2024.

**OKPD 2 19.20.31 CUCF FEA 2711139700**

Batch No. 864

Tank No. 76601962

Net weight, t

Net volume\*, l

Date of product manufacture **29.12.2021**

Date of sampling **29.12.2021**

RD of the sampling method **GOST 14921**

Test date: **29.12.2021**

Sampling and testing were carried out by PCL of RN-BGPP LLC, certificate of accreditation No. RA.RU.21HB22 dated 06.03.2018.

Item No.	Name of indicator	Testing method	The norm for the EAEU TR 036/2016	The norm according to GOST 52087-2018	Actual value
1	Octane number	Appendix B GOST EN 589	Not standardized		91.4
2	Mass fraction of components, % the amount of methane, ethane and ethylene	GOST 10679	Not standardized		0.06
	the amount of propane and propylene including propane		Not standardized		1.07
	the amount of butanes and butylenes, minimum, including:		Not standardized		1.07
	isobutane		Not standardized	60	98.90
	n-butane		Not standardized		30.12
	butylene		Not standardized		68.75
	the amount of unsaturated hydrocarbons		Not standardized		0.03
3	Volume fraction of liquid residue at 20°C, %, max	GOST 52087 item 8.2	1.8		less than 0.1
4	Saturated vapor pressure is excessive, MPa, at temperature:	GOST 28656 item 2	1.6		0.43
	plus 45°C, max		Not standardized		0.00
	minus 20°C		Not standardized		0.00
5	Mass fraction of hydrogen sulfide and mercaptan sulfur, %, max	GOST 32918	0.013		0.003
	including hydrogen sulfide, %, max		0.003		0.0002
6	Free water and alkali content	GOST 52087 item 8.2	Absence		Absence
7	Odor intensity, points, minimum	GOST 22387.5	3		3
8	Density of liquefied gas at 15°C, kg/m <sup>3</sup>	GOST 28656 item 1	Not standardized		577.07

\*The net volume (liters) of the product is calculated based on the density at 15°C

The product complies with the requirements of the EAEU TR 036/2016 "Requirements for liquefied petroleum gases for their use as fuel" as fuel for municipal and industrial consumption.

The product meets the requirements of GOST R 52087-2018 item 4.2, Table 2 for the BT grade.

The gas is odorized, yes/no - yes

The quality certificate is formed on the basis of test report No.

Date of issue of the quality certificate No.

5208

864

**29.12.2021**

**29.12.2021**

Shift Supervisor

/Signature/

Signature

Seal:  
LIMITED LIABILITY COMPANY  
LLC RN-BUZULUK GAS  
PROCESSING PLANT  
For product quality documents

A. V. Shakalin

Full name



The manufacturer guarantees that the product meets the requirements of the standard within 3 months from the date of manufacture, subject to the rules of transportation and storage. Reprinting and copying of this certificate without the permission of LLC RN-BGPP is prohibited