



Limited Liability Company
RN-Tuapse Oil Refinery
Legal address and production address:
Russian Federation, 352800, Krasnodar Territory, Tuapse, Sochinskaya Str. 1
e-mail: tnpz@m-tnpz.ru, Tel.: 8(86167) 2-36-15/ 8(86167) 2-76-52, 77-500
ISO 9001:2015 Quality Management System Certificate No. 17.2088.026
Certificate validity period: until 25.12.2020
Russian Federation, 352800, Krasnodar Territory, Tuapse district, Tuapse, Sochinskaya Str. 1
e-mail: tnpz@m-tnpz.ru, Tel.: 8(86167) 2-36-15/8(86167) 2-76-52, 77-500

CERTIFICATE No. 155

Hydrocarbon gases liquefied fuel grades propane-butane technical (PBT) according to GOST R 52087-2018

Declaration of Conformity of the EAEU N RU D-RU.A21.V.01110/19
Valid until 27.06.2022

Designation of documents establishing fuel requirements:
GOST R 52087-2018 "Liquefied petroleum fuel gases.
Technical specifications" PBT grade.
Technical Regulations of the Eurasian Economic Union TR EAEU
036/2016. "Requirements for liquefied petroleum gases for
their use as fuel"

OKPD 2 Code	<u>19.20.31.120</u>
Batch number:	<u>1953</u>
Date of manufacture:	<u>29.01.2021</u>
Batch size (weight), tons:	<u>79.518</u>
Sampling site (according to GOST 14921 -2017):	<u>res. No. 3</u>
Filling level, mm:	<u>3,402</u>
Test date:	<u>29.01.2022</u>

The certificate was issued on the basis of the test report(s): No. 244 dated 29.01.2022.

Item No.	Name of the indicator	Test method according to the EAEU TR 036/2016; GOST R 52087-2018	Norm no TR EAEU 036/2016	The norm according to GOST R 52087-2018	Actual value
1.	Mass fraction of components, % : - the amount of methane, ethane and ethylene	GOST 10679-2019	not standardized	Not standardized, Definition required	-
	- the amount of propane and propylene		not standardized	Not standardized, Definition required	-
	- the amount of butanes and butylenes		not standardized	minimum 60	5.13
2.	Volume fraction of liquid residue at 20 °C, %	GOST 52087-2018 item 8.2	maximum 1.8	maximum 1.6	0.50
3.	Saturated vapor pressure, excessive, at. temperature +45 °C, MPa	GOSTR 50994-96 (GOST 28656-2019)	maximum 1.6	maximum 1.6	1.59
4.	Mass fraction of hydrogen sulfide and mercaptan sulfur, % including hydrogen sulfide, %	GOST 22985-2017	maximum 0.013	maximum 0.013	0.0015
			maximum 0.003	maximum 0.003	0.0002
5.	Free water and alkali content	GOST 52087-2018 item 8.2	Absence	Absence	Absence
6.	Odor intensity, Point	GOST 22387.5-2014	minimum 3	minimum 3	3

Conclusion: Hydrocarbon gases liquefied fuel grades propane-butane technical (PBT) **meets the requirements:**

- GOST R 52087-2018 "Liquefied petroleum fuel gases. Specifications".
- EAEU TR 036/2016 "Requirements for liquefied petroleum gases for their use as fuel"

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

Position Dispatcher signature */signature/* Full Name: I.V. Fabrichnaya
(based on power of attorney No. 232 dated 08.12.2021)

Date of issue of the certificate 29.01.2020

Stamp here

Seal:
RN-Tuapse Oil Refinery LLC
For product certificates

Stamp:
STANDART

Appendix to the quality certificate No. 155 dated 29.07.2020

Hydrocarbon gases liquefied fuel grades propane-butane technical (PBT) according to GOST R 52087-2018

Nos. Item No.	Designation of a legislative act, regulatory document or set of rules	Information required for the product description		
		Name of indicator	Testing method	Actual value
1.	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
2.		Volume fraction of propane and propylene, %	GOST 10679-2019	95.42
3.		Volume fraction of butane and butylene, %	GOST 10679-2019	4.58
4.		Density at 20°C, kg/m ³	GOST 10679-2019	504.0