



Kuibyshev Oil Refinery Joint Stock Company
Legal address: Russian Federation, 443004, Samara,
Groznsenskaya str., 25
e-mail: sekr@knpz.rosneft.ru, tel.: (846) 307 32 18

ISO 9001:2015 Quality Management System Certificate No. 31100475 QM15
The certificate is valid until 17.08.2024.

Testing Center - Plant Central Lab (PCL)
443004, Samara, Groznsenskaya Str., 25
Kuibyshev Oil Refinery Joint Stock Company
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CERTIFICATE No. 3752

Butane-butylene fraction, grade B, TS 0272-027-00151638-99

Designation of documents establishing fuel requirements:
TS 0272-027-00151638-99 "Butane-butylene fraction. Specifications" for B grade.
OKPD Code 2 - 19.20.31
Batch number: 3,752
Date of manufacture: 26.12.2021
Batch size (mass): 99.00 t
Sampling location (according to GOST 14921-2018): bullet tank 973
Filling level: 271.60 cm
Date of sampling: 26.12.2021
Test date: 26.12.2021
The certificate was issued on the basis of the test report: No. 6442, 6443 dated 26.12.2021.

No.	Name of the indicator	Testing method	Norm	Actual value
1	Mass fraction of components, %: the amount of C3 hydrocarbons the amount of butylenes the amount of C5 hydrocarbons and higher	GOST 10679-2019	maximum 3.0 minimum 35.0 maximum 3.0	0.053 44.253 Less than 0.01
2	Mass fraction of hydrogen sulfide and mercaptan sulfur, %	GOST 22985-2017	maximum 0.02	0.0010
3	Free water and alkali content	item 5.2 TS 0272-027-00151638-99	Absence	Absence
Additional information (item 1 of the letter of JSC "NK "Rosneft" Ref. No. AP - 3401 dated 04.03.2016, item 2 identification with classification LPG in accordance with the CUCC FEA, item 3 of the Tax Code of the Russian Federation Article 181, item 1, sub-item 11)				
No.	Name of the indicator	Testing method	Norm	Actual value
1	Mass fraction of components, %: Propane Propylene Isobutane n-butane	GOST 10679-2019	Not standardized Not standardized Not standardized Not standardized	0.042 0.0104 42.6 12.7
2	Density at 15 °C, kg/m ³	item 4 GOST 28656-2019	Not standardized Definition required	586.6
3	The aggregate state at a temperature of 20 °C and a pressure of 760 mm Hg.	visually	-	Gaseous condition

Conclusion: Butane-butylene fraction, grade B, TS 0272-027-00151638-99

Meets the requirements: TS 0272-027-00151638-99 "Butane-butylene fraction. Specifications" for B grade.

The butane-butylene fraction in accordance with sub-item 11, item 1, Article 181 of the Tax Code of the Russian Federation is not an average distillate.

Additional information:

- transportation and storage according to GOST 1510-84.

- the manufacturer of JSC KNPZ guarantees that the quality of the butane-butylene fraction, grade B meets the requirements of TS 0272-027-00151638-99 "Butane-butylene fraction. Specifications" for B grade subject to the conditions of transportation and storage according to GOST 1510-84 within 3 months from the date of manufacture.

STANDARD

Stamp here
(seal of the enterprise)

Shift supervisor of shop No. 10 _____ G.G. Lazareva
(power of attorney No. 30 dated 01.01.2021)

Certificate issue date 26.12.2021

