



Branch of a public joint stock company
Bashneft Joint-Stock Oil Company Bashneft-UNPZ
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Testing Center - Quality Control Division (PCL)
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CERTIFICATE No. 12616
Fraction of butane-butylene grade B TS 0272-027-00151638-99

Designation of documents that establish requirements for products:

TS 0272-027-00151638-99 "Butane-butylene fraction Specifications"

OKPD Code 2: 19.20.31

Batch number: 12616

Date of manufacture: 31.12.2021

Batch size (mass): 39.000 t

Sampling location (according to GOST 14921-2018): tank No. E-17

Date of sampling: 31.12.2021

Test date: 31.12.2021

The certificate was issued on the basis of the test report dated 31.12.2021 No. 12616

Name of the indicator	Testing method	Norm according to TS 0272-027-00151638-99	The actual value
1. Mass fraction of components, %: the amount of C ₃ hydrocarbons the amount of butylenes the amount of C ₅ hydrocarbons and higher	GOST 10679-2019	maximum 5.0 minimum 25.0 maximum 6.0	0.35 50.62 2.94
2. Mass fraction of hydrogen sulfide and mercaptan sulfur, %	GOST 22985-2017	maximum 0.02	0.00410
3. Free water and alkali content	TS 0272-027-00151638-99 item 5.2	Absence	Absence

Conclusion: Fraction of butane-butylene grade B TS 0272-027-00151638-99

Meets the requirements:

TS 0272-027-00151638-99 "Butane-butylene fraction. Specifications".

Additional Information:

- aggregate state at a temperature of 20 °C and a pressure of 760 mm Hg. - gaseous;
- transportation and storage according to GOST 1510-84;
- the manufacturer branch of PJSC ANK Bashneft Bashneft-Ufaneftekhim guarantees that the quality of the butane-butylene fraction meets the requirements of TS 0272-027-00151638-99 if the consumer complies with the conditions of transportation and storage according to GOST 1510-84 within 3 months from the date of manufacture;
- safety data sheet No. 67826502.19.66641.

Stamp here

Chemical Analysis Laboratory assistant (shift supervisor)
Certificate issue date 31.12.2021

signature

N.A. Novokhatskaya

Round stamp:

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/illegible/.

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For IC-QCD product certificates /