



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. 7711**  
**Butane-butylene fraction of 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: 7711  
Date of manufacture: 31.12.2021  
Batch size (mass): 47.280 t  
Sampling location (according to GOST 14921-2018): tank No. 16/1  
Date of sampling: 31.12.2021  
Test date: 31.12.2021  
The certificate was issued on the basis of the test report: No. 7711 dated 31.12.2021

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 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	0.49 53.03 1.06
2. Mass fraction of hydrogen sulfide and mercaptan sulfur, %	GOST 22985-2017	maximum 0.02	0.0008
3. Free water and alkali content	item 5.2 TS 0272-027-00151638-99	Absence	Absence

**Conclusion:** Butane-butylene fraction of 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 mmHg - gaseous;
- transportation and storage according to GOST 1510-84;
- the manufacturer branch of PJSC ANK Bashneft Bashneft-UNPZ guarantees that the quality of the butane-butylene grade B 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 three months from the date of manufacture;
- safety data sheet No. 67827826.19.64722.

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

*signature*      G.R. Harunova

Round stamp:  
/ Branch of a public joint stock company  
/illegible/.  
BASHNEFT\_UPNZ IC-QCD  
For IC-QCD product certificates /