



Branch of a public joint stock company
Joint-Stock Oil Company Bashneft,
Bashneft-UNPZ
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CERTIFICATE No. 7711

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

Documents establishing requirements to products:

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

OKPD 2 Code: 19.20.31

Batch number: 7711

Date of manufacture: 21.12.2021

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 dated 31.12.2021, No. 7711

| 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 | As per Item 5.2 TS 0272-027-00151638-99 | Absence | Absence |

Conclusion: Fraction butane-butylene grade A 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, a branch of PJSC ANK Bashneft Bashneft-UNPZ, guarantees that the quality of the butane-butylene grade A 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. 67827826.19.64722

Stamp here

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

/signature/ G.R. Harunova

Seal:

Branch of a public joint stock company
Joint-Stock Oil Company Bashneft,
Bashneft-UNPZ
For product certificates
IC-QCD