



Check the certificate  
 1. Scan the QR code  
 2. Make sure that you are on the site <http://pasp.yanos.slavneft.ru>  
 Compare the original on the website and your copy  
 Check the correspondence of your certificate copy with the one received by the link.

Public Joint Stock Company Slavneft-Yaroslavlnefteorgsintez  
 Legal address:  
 Russian Federation, 150023, Yaroslavl Region, Yaroslavl,  
 Moskovsky Prospekt 130  
 e-mail: [post@yanos.slavneft.ru](mailto:post@yanos.slavneft.ru);  
 Tel./fax: (4852)49-81-00/40-76-76  
 Production address:  
 Russian Federation. 150023, Yaroslavl, Moskovsky Prospekt 150

Certificate of conformity of the Quality Management System Certificate  
 ISO 9001:2015 No. 20.1994.026, valid until 11.01.2024.

## CERTIFICATE No. 78 Fraction of normal butane, A grade

Designation of the document establishing product requirements:  
 TS 0272-026-00151638-99 with amendments No. 1-5  
 "Fraction of normal butane. Specifications"  
 OKPD Code 2 19.20.31

Batch number:	78
Date of manufacture:	August 24, 2021
Batch size (mass):	43 t
Sampling site (according to GOST 14921)	E-136
Date of sampling:	August 24, 2021
Test date:	August 24, 2021



2008

No.	Name of the indicator	Test method	Norm according to TS 0272-026-00151638-99	Actual value
1.	Mass fraction of components, %: propane isobutane normal butane the amount of butylenes the amount of iso- and normal pentane and above	GOST 10679-2019	maximum 0.5 maximum 1.5 minimum 97.5 maximum 1.0 maximum 0.6	minimum 0.01 <i>0.78</i> <i>99.08</i> <i>0.14</i> minimum 0.01
2.	Mass fraction of hydrogen sulfide and mercaptan sulfur, %	GOST 22985-2017	maximum 0.005	0.0039
3.	Free water and alkali content	GOST R 52087-2018 Appendix G	Absence	<i>Absence</i>

### Additional requirements (contract, contract specification, delivery agreement, etc.)

No.	Name of the indicator	Test method	The norm under the contract, etc.	Actual value
1.	Density at 15°C, kg/m <sup>3</sup>	GOST 28656-2019	-	584.5

**Conclusion:**

**Fraction of normal butane, grade A meets the requirements:**

- TS 0272-026-00151638-99 with changes 1-5  
 "Fraction of normal butane. Specifications".

**Additional information:**

- transportation and storage - according to GOST 1510;  
 - the warranty period of storage is 3 months from the date of manufacture.

**Head of the Entrance Control Laboratory  
 and Gas Analyses**

/Signature/ **S.V. Usanova**  
 Stamp: *T.E. Anichkina*

**Laboratory assistant**

/Signature/ stamp: */E.V. Suvorova/*  
*August 24, 2021*

Stamp here Certificate issue date:

Round stamp:  
 / Public Joint Stock Company \*  
 Slavneft-Yaroslavlnefteorgsintez\*  
 Slavneft-YaNOS PJSC No. 4  
 Central Illegible Laboratory (OTC) for certificates/