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Certificate of conformity of the Quality Management System  
ISO 9001:2015 No. 20.1994.026, validity period to 11.01.2024.

## CERTIFICATE No. 2301

### Propane-propylene fraction, grade A

Designation of the document establishing requirements for products

TS 0272-024-00151638-99 with amendments No. 1–8

"Butane-butylene fraction. Specifications"

OKPD 2 Code 19.20.32

Batch number: 2301  
Date of manufacture: December 24, 2021  
Batch size (mass): 39 t  
Sampling site (according to GOST 14921): E-134  
Date of sampling: December 24, 2021  
Test date: December 24, 2021



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No.	Name of the indicator	Test method	Norm according to TS 0272-024-00151638-99	The actual Value
1.	Mass fraction of components, %: total amount of C <sub>2</sub> hydrocarbons propane propylene total amount of C <sub>4</sub> hydrocarbons the amount of C <sub>5</sub> hydrocarbons and higher	GOST 579-01	Maximum 2.00 not standardized minimum 65.00 maximum 5.00 maximum 0.010	0.44 24.06 75.49 0.01 Less than 0.010
2.	Mass fraction of hydrogen sulfide, %	GOST-22985-2017	maximum 0.002	0.0003
3.	Free water and alkali content	GOST R 52087-2018 Attachment D	Absence	Absence
<b>Additional requirements (contract, contract specification, delivery agreement, etc.)</b>				
No.	Name of the indicator	Test method	Norm under the contract, etc.	The actual Value
1.	Density at 15 °C, kg/m <sup>3</sup>	GOST-28656-2019	-	518.2

#### Conclusion:

Propane-propylene fraction, grade A **meets the requirements:**

- TS 0272-024-00151638-99 with amendments 1–8 "Propane-propylene fraction. Specifications".

#### Additional Information:

- transportation and storage according to GOST 1510;

- the warranty period of storage – 3 months from the date of manufacture

Head of the Entrance Control Laboratory  
and Gas Analyses

Laboratory assistant

S.V. Usanova

Yu.V. Gurchenkova

Stamp here

Certificate issue date:

December 24, 2021

Seal:

/illegible/.