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ISO 9001:2015 Quality Management System Certificate No. 31100440 QM15 Certificate validity period: through 29.06.2024

QUALITY CERTIFICATE No. 28069 Fraction of normal butane, grade B

Document establishing product specifications:

TU 0272-026-00151638-99 "Fraction of normal butane. Technical specifications."

OKPD 2 Code 19.20.31

Batch number: 28069

Date of manufacture: 30.10.2021

Batch size: 75 m³

Sampling location (according to GOST 14921-2018): tank No. E-145 Date of sampling: 30.10.2021

Test date: 30.10.2021

The tests were performed: Shop № 10 Testing Laboratory -

Central Factory Laboratory

The certificate was issued based on the quality analysis dd 30.10.2021 No. 9674

ltem No.	Indicator	Testing method	GOST 9572-93 Standard	Actual value
	Mass fraction of components, %: propane Isobutane total amount of butylenes normal butane total amount of iso- and normal pentane and above *propylene *total amount of butanes	GOST 10679-2019	no more than 1.0 not standardized no more than 2.0 no less 70.0** no more than 5.0 -	0.154 0.115 0.145 99.485 0.027 0.031 99.600
2	Mass fraction of hydrogen sulfide and mercaptan sulfur, %	GOST 22985-2017	no more than 0.01	0.0008
3	Free water and alkali content	As per p. 5.3 TU 0272-026-00151638-99	absent	absent

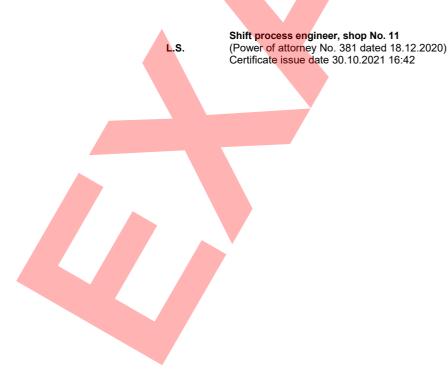
* determining indicators in order to identify and classify liquefied hydrocarbon gases in accordance with the Customs Union Commodity Classification for Foreign Economic Activity (letter No. C3-73-80672 dd 14.08.2014).

<u>Conclusion:</u> Fraction of normal butane, grade B meets the technical specifications of: - TU 0272-026-00151638-99 "Propane-propylene fraction. Technical specifications."

Additional Information:

- marking, transportation and storage - according to GOST 1510-84;

- the warranty period of storage is 3 months from the date of manufacture.



I.A. Markov

signature