

Certificate of assessment of the state of measurements in the laboratory No. ИСМ РБ.ОИ.АЛ.03101 is valid until July 06, 2024.

QUALITY CERTIFICATE No. 15

ISOPENTANE FRACTION

TU 0272-028-00151638-99 amended 1-14

Date of manufacture: September 15, 2021
 Test date: September 15, 2021
 Product vessel No. 39, 40
 Sampling place tank wagon No. 57441883, 57501421
 Batch number: 15
 Batch size (mass): 55,620 kg

No.	Indicators name	Brand norm		Actual value
		A	B	B
1.	Mass fraction of components, % :			
	- the amount of hydrocarbons C ₂ -C ₄ , no more	1.5	6.0	0.74
	- isopentane, not less than	97.5	80.0	99.22
	- pentane, no more	2.5	18.0	0.02
	- the amount of hydrocarbons C ₆ and above, no more	0.3	1.0	0.00
	- the amount of unsaturated hydrocarbons, no more	0.5	1.0	0.02
2.	Mass fraction of total sulphur, %	0.003	0.01	0.010
3.	Alkali content	Absence		Absence
4.	Content of water and mechanical impurities	Absence		Absence

Product filling temperature (°C) – 21
 The density of the product at the filling temperature (kg/m³) – 617

Product quality corresponds to the brand "B" according to TU 0272-028-00151638-99 with amendments 1–14.
 The manufacturer guarantees that the quality of the product meets the requirements of this specification within three months from the date of manufacture, provided that the consumer observes the conditions of transportation and storage.

Chemical analysis laboratory assistant: _____/signature/ _____ G.R. Mingazova

L.S. Certificate issue date 15 September 2021

/seal/Limited Liability Company Tuymazinsky Gas Processing Plant, Quality Control Dept, Production Laboratory