



Joint Stock Company Kuibyshev Oil Refinery
Legal address: Russian Federation, 443004, Samara,
Groznskaya str., 25
e-mail: sekr@knpz.rosneft.ru, tel. (846) 307 32 18

ISO 9001:2015 Quality Management System Certificate No. 31100475 QM15
The certificate is valid until 17.08.2024.

Testing Center – Plant Central Lab (PCL)
443004, Samara, Groznenskaya str., 25
Joint Stock Company Kuibyshev Oil Refinery
e-mail: sekr@knpz.rosneft.ru, tel.: (846) 307 32 18

CERTIFICATE No. 3761

Propane-propylene fraction, grade A, TS 0272-024-00151638-99

Designation of documents establishing fuel requirements:
TS 0272-024-00151638-99 "Propane-propylene fraction. Specifications" for A grade.
OKPD 2 Code – 19.20.31
Batch number: 3,761
Date of manufacture: 27.12.2021
Batch size (mass): 90.00 t
Sampling location (according to GOST 14921-2018): bullet tank 968
Filling level: 272.50 cm
Date of sampling: 27.12.2021
Test date: 27.12.2021
The certificate was issued on the basis of the test report: No. 6460, 6461 dated 27.12.2021.

No.	Name of the indicator	Testing method	Norm	The actual Value
1	Mass fraction of components, %: total amount of C ₂ hydrocarbons Propane Propylene the amount of C ₄ hydrocarbons the amount of C ₅ hydrocarbons and higher	GOST-10679-2019	Maximum 2.0 Not standardized minimum 65.0 Maximum 5.0 Maximum 0.010	Less than 0.005 26.3 73.2 0.467 Less than 0.01
2	Mass fraction of hydrogen sulfide, %	GOST-22985-2017	Maximum 0.002	Less than 0.0002
3	Free water and alkali content	item 5.3 TS 0272-024-00151638-99	Absence	Absence

Additional information 1 letter of JSC "NC "Rosneft" ex. No. AP-3401 dated 04.03.2016 g. p. 2 Article of the Tax Code of the Russian Federation 181 p. 1 sub-item 11)

No.	Name of the indicator	Testing method	Norm	The actual Value
1	Density at 15 °C, kg/m ³	item 4, GOST-4 28656-2019	Not standardized	519.1
2	The aggregate state at a temperature of 20 °C and a pressure of 760 mm Hg.	Visually	-	Gaseous condition

Conclusion: Propane-propylene fraction, grade A, TS 0272-024-00151638-99

meets the requirements: TS 0272-024-00151638-99 "Propane-propylene fraction. Specifications" for A grade.

The butane-butylene fraction in accordance with sub-item 11, item 1, Article 181 of the Tax Code of the Russian Federation is not an average distillate.

Additional information:

-Transportation and storage – according to GOST 1510-84.

- the manufacturer of JSC KNPZ guarantees that the quality of the butane-butylene fraction, grade A meets the requirements of TS 0272-027-00151638-99 "Butane-butylene fraction. Specifications" for grade A, subject to the conditions of transportation and storage according to GOST 1510-84 for 3 months from the date of manufacture.

Shift supervisor of shop No. 10 _____ L.V. Hvalina

(power of attorney No. 27 dated 01.01.2021)

Stamp here
(Seal
of the enterprise)

Stamp:
STANDARD

Certificate issue date: 27.12.2021

