

QUALITY CERTIFICATE

of ethane fraction
TU 0272- 022- 00151638- 99

Supplying party – JSC NGPZ

Sampling site – gas distribution plant

Sampling was performed by gas distribution plant and washing and steaming station personnel according to GOST 14921. Liquefied hydrocarbon gases. Sampling techniques. GOST 14920, Dry gas. Fractional composition determination methods.

Production date (period) – from 01.11.2019 through 30.11.2019

Sampling date (period) – from 01.11.2019 through 30.11.2019

Test date (period) – from 01.11.2019 through 30.11.2019

Test results:

Indicator	Test method	Test result
Mass fraction of methane, %	GOST 14920	14.02
Mass fraction of ethane, %		63
Mass fraction of propane, %		22.18
Mass fraction of sulphur compounds expressed as sulphur, %	TU 0272-022-00151638-99, p. 5.3	0.0002
Mass fraction of hydrogen sulfide, %	GOST 22985	0.0002

Chief Technologist

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A.V. Sinyukov