

Stamp Head (deputy head) of  
Federal accreditation service

signature

name

Supplement  
to certificate of accreditation

N RA.RU. 21HII39

of " 17 " July 20 15

on 2 sheets, sheet 1

**Scope of accreditation of test laboratory (center) - extension**

Test center of oil, petroleum products and gases of Joint Stock «Volga Research Institute of Hydrocarbon Feed»

Name of test laboratory (center)

Republic of Tatarstan, Kazan, 35A, N.Ershov str., buildings A, B

Address of the place of activity

No.	Documents, establishing rules and methods of research (tests), measurements	Name of object	Code OKPD 2	Code TN VED EAES	Determined characteristic (parameter)	Range of determination
1	2	3	4	5	6	7
1	GOST 22985 Liquefied hydrocarbon gases. Method for determination of hydrogen sulfide and mercaptan sulfur.	Liquefied hydrocarbon gases, Wide fraction of light hydrocarbons	23.20.22.120	2711 19	Mass fraction of hydrogen sulfide Mass fraction of mercaptan sulfur	(0.0002–1) % (0.0002–1) %

1	2	3	4	5	6	7
2	FR.1.31.2013.14307.	Light gasoline fraction	19.20	2710 12	Mass fraction of sulfur-containing components	(1 – 100) MM <sup>-1</sup>
3	ФР.1.31.2015.19929	Liquefied hydrocarbon gases	23.20.22.120	2711 19	Mass fraction of sulfur-containing components	(0.0003 – 0.1000) %
4	GOST 28656  Liquefied hydrocarbon gases. Calculation method for determination of saturated vapor density and pressure.	Liquefied hydrocarbon gases,	23.20.22.120	2711 19	Density	(480-650) kg/m <sup>3</sup>
		Wide fraction of light hydrocarbons			Gauge pressure of saturated vapors at: - minus 35 °C -minus 30 °C -minus 20 °C -plus 45 °C	(0.06-0.2) MPa (0.06-0.2) MPa (0.06-0.6) MPa (0.20-2.0) MPa
5	GOST R 52087  Fuel liquefied hydrocarbon gases. Specifications. Item 8.2	Liquefied hydrocarbon gases	23.20.22.120	2711 19	Volume fraction of liquid residue at 20 °C	(0.5-2.0) %
6	GOST 32918  Oil. Method for determination of hydrogen sulfide, methyl- and ethyl mercaptans	Oil	06.10	2709 00	Mass fraction of hydrogen sulfide, methyl- and ethyl mercaptans	(1 – 300) MM <sup>-1</sup>
		Gas condensates	19.20.32.115			
		Light hydrocarbon fractions	23.20.22.120			
		Natural and petroleum gases	06.20.10.110			

General director of JS «VNIUS»

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A.M. Mazgarov

Head of TC of JS «VNIUS»

R.Sh.Nigmatullina