

PJSC UFAGEOSINTEZ

450037, Russian Federation, Republic of Bashkortostan, Ufa
 Quality Management Division.
 Test Center for Petrochemical Products, Raw Materials and Objects of Ecological Interest
 Unique entry number in the Register of Accredited Entities No. RA.RU.21EA03
 Laboratory for feedstock and commercial products quality control



QUALITY CERTIFICATE No. 69-2021
LIQUID PYROLYSIS PRODUCTS OF 35-230 °C and 32-320 °C FRACTIONS

TU 2451-075-05766563-2004 with amendm. 4

Grade	E-1 Grade	OKPD 2 Code	20.14.73.190
Date of manufacture	01.07.2021	Net weight	594.000 t
Test date	01.07.2021		
Capacity	35/11 [ed. 11-19]		
Regulatory document, according to which the sample was taken GOST 2517			

Item No.	Indicator	RD for the test method	TU Standard	Analysis result
1	Overall view	TU 2451-075-05766563-2004 with amendments 1-4, p. 5.3	Light yellow to dark brown liquid with no mechanical impurities	Brown liquid
2	Mechanical impurities		absent	absent
3	Density at 20 °C, g/cm ³	GOST 3900-85 with amendments 1-3, p. 1 TU 2451- 075-05766563-2004 with amendments 1-4 p.5.4	no less than 0,800	0,891
4	Fractional composition Initial boiling point*, °C Final boiling point, °C	GOST 2177-99 with amendment 1, TU 2451- 075-05766563-2004 with amendments 1-4 p.5.5	not lower than 32 not higher than 320	49 273
5	Mass fraction of aromatic hydrocarbons C ₆ -C ₈ in distillation yield under 185°C, %	TU 2451-075-05766563-2004 with amendments 1-4 p.5.4	no less than 45	71
6	Mass fraction of benzene, %		no less than 20	31
7	Mass fraction of water, %	GOST 2477-2014 with amendm.1,2, TU 2451- 075-05766563-.2004 with amendments 1-4 p. 5.7	no more than 1	0.6

Conclusion: the product meets the technical specifications of GOST 2451-075-05766563-2004, with amendm. 1-4.

Not under mandatory certification

The products are manufactured in accordance with the Management systems certified for compliance with the specifications of: ISO 9001:2015 certificate No. 31100600 QM15. ISO 14001:2015 certificate No. 31100600 UM15. ISO 45001:2018 certificate No. 31100600 OHS 18.

Area of application: used as feedstock for the production of polymeric petroleum resins, in the production of motor and boiler fuels, as feedstock for the production of aromatic hydrocarbons

Fire and explosion characteristics: category and group of explosiveness of liquid pyrolysis products vapor mixed with air - II A according to GOST R 30852.11-2002 and T1 according to GOST R 30852.5-2002, respectively.

Transportation rules: to be transported in accordance with the Rules of cargo transportation by rail in bulk tank cars and hopper cars for oilbitumen transportation,

Storage rules: metal tanks are used according to the storage rules for flammable liquids similar to petroleum aromatics according to GOST 1510.

Waste decontamination, disposal and burial: in order to eliminate leaks and spills, pre-mix (fill) the spilled product with sand or any other inert material, collect it into containers in good order, seal them hermetically and send them out for disposal observing precautionary measures;;

Warranty period of storage: 1 month from the date of manufacture.

5th grade laboratory analyst
 (power of attorney No. 34/21 dated 01.01.21)

_____/sign/_____
 G.Z. Shainurova

L.S.

Date of certificate registration 01.07.2021

/ seal/ Public joint stock company "Ufaorgsintez" / * Quality management division 3/2 /