



PJSC UFAORGSINTEZ

450037, Russian Federation, Republic of Bashkortostan, Ufa

Quality Management Division. Test Center of Petrochemical Products, Raw Materials and Objects of Ecological

Interest Unique Record Number in the Register of Accredited Persons

Laboratory for raw materials and commercial products quality control



QUALITY CERTIFICATE No. 64-2021
LIQUID PYROLYSIS PRODUCTS OF 35-230 °C and 32-320 °C FRACTIONS
TU 2451-075-05766563-2004 with amendments 1-4

Grade E-0 Grade **OKPD 2 Code** 20.14.73.190
Date of manufacture 30.12.2021 Net weight: 228.000 t
Test date: 30.12.2021
Capacity 1/1 [ed. 19/11-105]
Regulatory document, according to which the GOST 2517 sample was taken

Item No.	Indicator	RD for the test method	TU standard	Established: based on the analysis results*
1	Overall view	GOST 2451-075-05766563-2004 with amendments 1-4, Item 5.3	Light yellow to dark brown liquid with no mechanical impurities	Brown liquid
2	Density at 20 °C, g/cm ³	GOST 3900-85 with amendment 1, p.1, TU 2451-075-05766563-2004 with amendments 1-4, p.5.4	no less than 0,950	1.101
3	Fractional composition Initial boiling point, °C Final boiling point*, °C distillation temperature of 3% volume, °C	GOST 2177-99 with amendment 1, TU 2451-075-05766563-2004 with amendments 1-4, p.5.5	not determined no more than 340 no less than 150	not determined not determined 207
4	Mass fraction of water, %	GOST 2477-2014 with amendments 1-2 TU 2451-075-05766563, with amendments 1-4 p. 5.7	no more than 3	absent
5	Closed-cup flash point, °C	GOST 6356-75 with amendments 1-3	not standardized	79
6	Vscosity/density ratio at 50°C, mm ² /s	GOST 33-2016		16,41

Note: Determined at the customer's request

Conclusion: the product meets the 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 50001:2018 Certificate No. 31100600 EMS18, ISO 14001:2015, Certificate №31100600 UM15, ISO 45001:2018 Certificate No. 31100600 OHS 18

Area of application: used as feedstock for the production of motor and boiler fuel components, as 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 - naphthenoaromatic hydrocarbons 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, approved by the Minutes of the Railway Transport Council of CIS Member States dd May 21-22, 2009 № 50.

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 operating order, seal them hermetically and send them out for disposal observing precautionary measures;

The warranty period of storage is 1 month from the date of manufacture

5th grade laboratory analyst
(power of attorney No. 34/21 dated 01.01.01)

/signature/

E.A. Volkova

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

L.S.

Date of certificate registration 30.12.2021