



UFAORGSINTEZ PJSC

450037, Russian Federation, The Republic of Bashkortostan, Ufa
Quality Management. Testing Center for Petrochemical Products, Raw Materials and Environmental Facilities
Unique entry number in the register of Accredited Entities No. RA.RU.21УФ03
Laboratory for feedstock and commercial products quality control



CERTIFICATE No. 200-2021
ISOPROPYL BENZENE TECHNICAL
TS 2414-092-05766563-2013 with amend. 1

Date of manufacture: 31.12.2021 **OKPD 2 Code:** 20.14.12.180
Test date: 31.12.2021 **NET weight:** 586.000 t
Capacity: 50 [ed. 11-19]

The designation of the RD according to which the sample was taken GOST 2517

Item No.	Name of the indicator	RD for test method	Norm	Analysis result
1	Overall view	GOST 2706.1-74 with amend. 1, 2, section 1	Colorless transparent liquid	Colorless transparent liquid
2	Density at 20 °C, g/cm ³	GOST 18995.1 with amend. 1, 2, TS 2414-092 05766563-2013 with amend. 1, item 5.3	from 0.861 to 0.863	0.862
3	Mass fraction of isopropylbenzene, %	TS 2414-092-05766563-2013 with amend. 1, item 5.4	minimum 99.7	99.95
4	Mass fraction of organic impurities of non-aromatic compounds ethylbenzene n-propylbenzene butylbenzenes and higher hydrocarbons	TS 2414-092-05766563-2013 with amend. 1, item 5.4	Not standardized maximum 0.1 maximum 0.20 maximum 0.05	0.001 0.01 0.03 0.01
5	Bromine number, g of bromine/100 cm ³	GOST 2706.11-74 with amend. 1, 2	maximum 0.015	Less than 0,01
6	The mass fraction of phenol, %	TS 2414-092-05766563-2013 with amend. 1, item 5.5	maximum 0.002	Less than 0.0002
7	Mass fraction of sulfur, %	GOST R 51947-02 with amend. 1	Not standardized Definition required!	Less than 0.015
8	Mass fraction of chlorine, %	TS 2414-092-05766563-2013 with amend. 1, item 5.6	maximum 0.001	0.00001

Conclusion: the product meets the technical specifications (TS) of GOST 2414-092-05766563-2013, with amend. 1.
Not subject to mandatory certification.

The products are manufactured in accordance with the Management systems certified for compliance with the specifications of: ISO 9001:2015 of the certificate No. 31100600 QM15, ISO 50001:2018 certificate № 31100600 EMS18, ISO 14001:2015 certificate No. 31100600 UM15, ISO 45001:2018 certificate No. 31100600 OHS18.

Scope of application: designed for the synthesis of phenol, acetone and a-methyl styrene.

Characteristics of fire and explosion hazard: flammable liquid belongs to the combustibility group G2. Flash point 27–30 °C. Temperature limits of ignition: lower plus 27 °C, upper plus 71 °C; ignition temperature - plus 38 °C; auto-ignition temperature – plus 424 °C.

In the event of a fire outbreak, foam, carbon dioxide, sprayed water, sand are used as fire extinguishing agents.

Transportation rules: it shall be transported in special railway tanks in accordance with the "Rules for the transportation of liquid cargo in bulk in tank cars and bunker-type cars for the transportation of petroleum bitumen"; the use of compressed air is not allowed when draining and pumping isopropylbenzene.

Storage rules: technical isopropylbenzene is stored in accordance with the requirements of GOST 1510.

Neutralization, disposal and disposal of waste: fill up spills with sand, collect sand with a non-sparking tool and take it to places agreed with the bodies of the Ministry of Emergency Situations and Environmental Safety and institutions of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare (Department of Rospotrebnadzor) for liquidation or recycling (in accordance with the SanPiN (Sanitary Rules and Regulations) No. 2.1.7.1322-2003).

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

5th grade Chemical Analyst
(power of attorney No. 34/21 dated 01.01.21)

signature

E.A. Volkova

Stamp here Date of certificate registration: 31.12.2021

Stamp: Quality department