

**UFAGEOSINTEZ PJSC**

450037, Russian Federation, Republic of Bashkortostan, Ufa city
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. 154-2021
ALPHA-METHYLSTYROL
TS 38.103679-89 with amend. 1-5

Date of manufacture: 24.12.2021 **OKPD 2 Code:** 20.14.12.290
Test date: 24.12.2021 **NET weight:** 427.000 t
Capacity: 20/II [ed. 19/II-105]

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 according to TS	Established by the analysis
1	Overall view	TS 38.103679-89 with amend. 1-5, item 4.2	Colorless or pale-yellow transparent liquid	Colorless transparent liquid
2	The mass fraction of alpha-methyl styrene, %	TS 38.103679-89 with amend. 1-5, item 4.3	minimum 99.7	99.92
3	The mass fraction of the sum of n-propylbenzene and styrene, %		maximum 0.03	0.005
4	Chromaticity on the platinum-cobalt scale (according to Hazen), Hazen units	TS 38.103679-89 with amend. 1-5, item 4.4	not standardized	14
5	Refractive index at 20 °C	GOST 18995.2-73 with amend. 1	from 1.5382 to 1.5390	1.5389
6	Presence of polymer	TS 38.103679-89 with amend. 1, item 4.5	Must withstand the test	Withstands
7	Mass fraction of phenol, %	TS 38.103679-89 with amend. 1-5, item 4.6	maximum 0.0005	0.0001
8	Mass fraction of stabilizer (para-tert butylpyrocatechin), %		not standardized	0.0002
9	Polymer content*, mg/kg	ASTM D2121-16		2.4
10	Mass fraction of water*, %	GOST 14870-77 with amend. 1, 2, item 2		0.104 1

With a cone-head: when adding a phenolic type stabilizer, the total mass fraction of phenol and stabilizer in terms of phenol should be no more than 0.0015%

* – this indicator is determined on demand, is not included in the scope of accreditation of the test center

Conclusion: the product meets the technical specifications (TS) of GOST 38.103679-89, with amend. 1-5.

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 certificate No. 31100600 QM15, ISO 50001:2018 certification certificate No. 31100600 EMS18, ISO 14001:2015 certificate No. 31100600 UM15, ISO 45001:2018 Certificate No. 31100600 OHS18.

Scope of application: designed for the production of synthetic rubbers and latexes, plastics and for other needs of the national economy, as well as export supplies.

Characteristics of fire and explosion hazard: flammable liquid with a flash point of 38°C: ignites from sparks and flames; bunks form explosive mixtures with air; containers (including empty ones) can explode when heated.

Transportation rules it is transported in railway tanks with a bottom drain made of carbon steel with a zinc, oil-and-gas-resistant or vapor-resistant coating that meets the requirements of electrostatic safety, in accordance with the current rules for the transportation of dangerous fuses; approved by the Ministry of Transport of the Russian Federation: the degree of filling of tanks, taking into account the complete use of capacity and volumetric expansion of the product with a possible temperature difference en route.

Storage rules: store under nitrogen with a mass fraction of oxygen ≤ 0.1 % or under carbon dioxide in steel or aluminum containers;

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 SanPiN 2.1.7.1322-2003)

Warranty period of storage: for stabilized alpha-methylstyrene – 1 month, unstabilized – 4 days.

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

signature

E.A. Volkova

Stamp here

Date of certificate registration: 24.12.2021

Stamp: Quality department