



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.21YФ03
Laboratory for feedstock and commercial products quality control



PASSPORT No. 365-2021
TECHNICAL AND SYNTHETIC PHENOL
GOST-23519-93

Grade Grade A **OKPD 2 Code** 20.14.24.112
Date of manufacture 31.12.2021 **Net weight** 329.000 t
Test date 31.12.2021
Tank 1 [ed. 621-243]
Regulatory document (RD), according to which the sample was taken GOST 2517

Item No.	Name of the indicator	RD for test method	Norm according to GOST 23519-93			Analysis result
			A	B	C	
1	Overall view	GOST 23519-93, 11.6.3	White crystalline substance			White crystalline substance
2	Freezing point, °C	GOST 18995.5-73 with amend. 1-4, GOST 23519-93, cl. 6.4	not lower than 40.7	not lower than 40.6	not lower than 40.4	40.80
3	Mass fraction of non-volatile residue, %	GOST 27026-86 with amend. 1, GOST 23519-93, cl. 6.5	not more than 0.001	not more than 0.008	not more than 0.01	0.0007
4	Optical density of phenol water solution at 20 °C, optical-density units	GOST 23519-93, cl. 6.6	not more than 0.03			0.02
5	The chromaticity of the phenol melt on the platinum-cobalt scale, Hazen units	GOST 14871-76 with amend. 1, cl. 2, GOST 23519-93, cl. 6.8	maximum 5	not standardized		4
6	Mass fraction of water, %	GOST 14870-77 with amend. 1, 2, section 2, GOST 23519-93, cl. 6.9	not more than 0.03	not standardized		0.018
7	Mass fraction of organic impurities, %	GOST 23519-93, cl. 6.10	not more than 0.01	not standardized		
8	Mass fraction of mesityl oxide, %	GOST 23519-93, cl. 6.10	not more than 0.0015	not more than 0,004	not standardized	Absence
9	Mass fraction of total alphas-methylstyrene and isopropylbenzol, %		not standardized	no more than 0,01	not standardized	Absence

Conclusion: the product conforms to GOST 23519-93

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 Certificate No. 31100600 EMSt 18. ISO 14001 2015 Certificate No. 31100600 UM15. ISO 45001 2018 Certificate No. 31100600 OHS18.

Scope of application: the product is used in the manufacture of caprolactame, diphenylolpropane, medical preparations, phenolic-formaldehyde resins, orthocresol, oil additives, for selective treatment of oil and for other purposes.

Fire and explosion hazard characteristic: combustible substance, flash point 79 °C: may inflame from open flame, vapors and air may generate explosive mixtures; tanks may explode when heated.

Transportation rules: to be transported in heated railroad cars made of stainless nickel-chromium, zinc-coated carbon steel or of carbon steel; through the heated pipeline made of stainless nickel-chromium steel: phenol for medical preparations is only carried in tanks made of stainless nickel-chromium steel and zinc-coated carbon steel; in loading-unloading operations and in the transport pipeline the phenol temperature should be (60 ± 10°C).

Storage precautions: phenol in solid and melted state shall be stored away from open fire in the sealed reservoirs made of stainless nickel-chromium, zinc-coated carbon steel, monolithic aluminum tanks; storage under nitrogen is allowed (oxygen volume ratio ≤ 2%) at the temperature of (60 ± 10°C) up to 2-3 days; keep control over the temperature when storing in aluminum tanks, incompatible materials in storage – oxidizing agents.

Neutralization, disposal and disposal of waste: fill up phenol spills and spreads with sand, collect sand with a non-sparking tool into the sealed tanks 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 17.1322-2003).

Warranty period of storage: Solid phenol: Grade A – 1 month, Grade B – 1.5 months, Grade C – 12 months from the day of manufacture

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

Signature

E.A. Volkova

L.S.

Date of passport registration: 31.12.2021

Stamp: Quality department