



**UFAORGSINTEZ 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.21YФ03

Laboratory for feedstock and commercial products quality control



**CERTIFICATE No. 485-2021**  
**ACETONE TECHNICAL**  
**GOST 2768-84 with amend. 1, 2**

<b>Grade</b>	Top grade	<b>OKPD 2 Code:</b>	20.14.62.000
<b>Date of manufacture:</b>	31.12.2021	<b>NET weight:</b>	451.000 t
<b>Test date:</b>	31.12.2021		
<b>Capacity:</b>	2 [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			Analysis result
			Top grade	Grade 1	Grade 2	
1	Overall view	GOST 2768-84 with amend. 1, 2 item 4.2	Colorless transparent liquid			Colorless transparent liquid
2	Mass fraction of acetone, %	GOST 2768-84 with amend. 1, 2 item 4.3.1	minimum 99.75	minimum 99.5	minimum 99.0	99.84
3	Density at 20 °C, g/cm <sup>3</sup>	GOST 18995.1 with amend. 1, 2, GOST 2768-84 with amend. 1, 2, item 4.4	from 0.789 to 0.791		from 0.789 to 0.792	0.790
4	Mass fraction of water, %	GOST 2768-84 with amend. 1, 2 item 4.6	maximum 0.2	maximum 0.5	maximum 0.8	0.14
5	The mass fraction of methyl alcohol, %	GOST 2768-84 with amend. 1, 2 item 4.6	maximum 0.05		not standardized	0.02
6	Mass fraction of acids in terms of acetic acid, %	GOST 2768-84 with amend. 1, 2 item 4.7	maximum 0.001	maximum 0.002	maximum 0.003	0.001
7	Resistance to oxidation with potassium permanganate, hour	GOST 2768-84 with amend. 1, 2 item 4.8	minimum 4	minimum 2	minimum 0.75	maximum 4

**Conclusion: the product meets the technical specifications (TS) of GOST 2768-84, with amend. 1, 2.**

**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 QM 15  
ISO 50001:2018 Certificate No. 31100600 EMS18, ISO 14001:2015 Certificate No. 31100600 UM15, ISO 45001:2018 Certificate No. 31100600 OHS 18.

**Scope of application:** used for the synthesis of acetic anhydride, acetone cyanhydrin, diphenylolpropane and other organic products, as well as a solvent in various industries.

**Characteristics of fire and explosion hazard:** flammable liquid with a flash point of minus 18 °C; ignites from sparks and flames; vapors form explosive mixtures with air; containers (including empty ones) can explode when heated; upon contact with sodium peroxide and chromium anhydride, acetone ignites with an explosion.

**Transportation rules:** it is transported by all modes of transport in covered vehicles in accordance with the rules of cargo transportation applicable to this type of transport; acetone is transported in bottles only by motor transport.

**Rules for storage** in steel, aluminum, galvanized containers or barrels, in glass bottles in accordance with the rules for storing flammable substances in a place protected from moisture, direct sunlight and heating, away from fire sources; incompatible substances during storage - oxidizers

**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 Rosпотребнадзор) for liquidation or recycling (in accordance with SanPiN 2.1.7.1322-2003).

**Warranty period of storage:** in steel, galvanized, aluminum containers - 3 months, in glass containers - 1 year, top grade in non-galvanized carbon steel containers - 1 month from the date of manufacture.

*signature*

E.A. Volkova

5th grade Laboratory Analyst

(power of attorney No. 34/21 dated 01.01.2021)

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Date of certificate registration: 31.12.2021

**Stamp:** Quality department