



JSC Ryazan Refining Company  
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ISO 9001:2015 Quality Management System Certificate No. 31100440 QM15  
Certificate validity period: through 29.06.2024

**QUALITY CERTIFICATE No. 01196**  
**Sulfuric acid contact technical**  
**Grade 1**

Document establishing product specifications:

GOST 2184-2013 "Technical sulfuric acid. Specifications" (approx. 1 under cl. 3.2)

Code OKPD2 20.13.24.122

Batch number: 01196

Date of manufacture: 13.02.2022

Batch size (mass): 3482 t

Sampling site (according to GOST 2184-2013): cl. 7.1): tank R-3

Filling level: 7480 mm

Date of sampling: 13.02.2022

Test date: 13.02.2022

The tests were performed: Shop No. 10 Testing laboratory - Central plant laboratory (CPL)

The certificate was issued based on the quality analysis dd February 13, 2022 № 1384

Item No.	Name of the indicator	Testing method	GOST 2184-2013 Standard	Actual [VALUE]
1	Mass fraction of monohydrate (H <sub>2</sub> SO <sub>4</sub> ), %	GOST 2184-2013 cl. 7.3	92.5-94.0	94.0
2	Mass fraction of iron, (Fe), %	GOST 2184-2013 Cl. 7.4	no more than 0.02	0.0014
3	Mass fraction of residue in ignition, %	GOST 2184-2013 Cl. 7.5	no more than 0.05	0.032
4	Color of cm <sup>3</sup> for reference solution	GOST 2184-2013 Cl. 7.12	no more than 6	no more than 6

**Conclusion:** Sulfuric acid contact technical grade 1 **meets the requirements:**

- GOST 2184-2013 "Technical sulfuric acid. Specifications" (approx. 1 under cl. 3.2).

**Additional Information:**

- marking according to GOST 14192-96

- warranty period of storage is 1 month from the date of shipment;

Ryazan \* Ryazan Oil Refining Company\*  
Shop No. 11  
on commodity production for the shipment of  
petroleum products

**Shift process engineer, shop № 11**  
(Power of attorney No. 462 dated December 11, 2021)  
Passport issue date February 13, 2022, 22:19

/signature/  
signature

E.V. Shvedova