

**Certificate of Analysis**

**Product: Sulfuric Acid 50% Solution, Reagent Grade**

**Item Number: SUAA50**

**CAS#: 7664-93-9**

**Grade: Reagent**

**Lot Number: 5002364/2.1**

**Manufacture Date: 06/24/2026**

**Retest Date : 06/23/2029**

**Country of Origin: United States**

| Tested Property                       | Specification              | Analysis  |
|---------------------------------------|----------------------------|-----------|
| Assay                                 | 48.0 - 51.0% w/w           | 50.3% w/w |
| Color (APHA)                          | Max 10                     | <10       |
| Residue after Ignition                | Max 5 ppm                  | <5 ppm    |
| Chloride                              | Max 0.2 ppm                | <0.2 ppm  |
| Nitrate                               | Max 0.5 ppm                | <0.5 ppm  |
| Ammonium                              | Max 2 ppm                  | <2 ppm    |
| Substances reducing KMnO <sub>4</sub> | To Pass Test               | Passes    |
| Arsenic                               | Max 0.01 ppm               | <0.01 ppm |
| Heavy Metals (by ICP-OES)             | Max 1 ppm                  | <1 ppm    |
| Iron                                  | Max 0.2 ppm                | <0.2 ppm  |
| Nickel                                | Max 1 ppm                  | <1 ppm    |
| Selenium                              | Max 20 ppm                 | <20 ppm   |
| Mercury                               | Max 5 ppb                  | <5 ppb    |
| Appearance                            | Free from suspended matter | Pass      |

Store in a cool, dry, and well-ventilated environment away from moisture.

[Sulfuric Acid 50% Solution, Reagent Grade](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since

Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com).

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2026 Lab Alley



conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

This is an electronically generated document and is valid without a signature.

Phone: 512-668-9918, Fax: 512-886-4008,  
E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),  
[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

© copyright: 2026 Lab Alley