

Product Specification

Sulfuric Acid, 94.7% (w/w) (94.5 - 94.9%)

Lot Number: SAMPLE

Product Number: 8194.97

Manufacture Date: N/A

Expiration Date: N/A

| Name | CAS# | Grade |
|---------------|-----------|-----------------|
| Sulfuric Acid | 7664-93-9 | ACS |
| Water | 7732-18-5 | ACS/ASTM/USP/EP |

| Test | Specification | Result | NIST SRM# |
|----------------------------------------------|-------------------|--------|-----------|
| Appearance | Colorless liquid | N/A | |
| Assay (vs. Sodium Hydroxide/Phenolphthalein) | 94.6-94.8 % (w/w) | N/A | 84 |

| Specification | Reference |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Sulfuric Acid, 94.5% - 94.9% H ₂ SO ₄ | USP (N/A) |
| Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured. | |

| Part Number | Size / Package Type | Shelf Life (Unopened Container) |
|-------------|----------------------------|---------------------------------|
| 8194.97-1 | 4 L safety-coated glass | 36 months |
| 8194.97-100 | 100 mL natural poly | 36 months |
| 8194.97-16 | 500 mL safety-coated glass | 36 months |
| 8194.97-32 | 1 L safety-coated glass | 36 months |
| 8194.97-5PT | 2.5 L safety-coated glass | 36 months |

Recommended Storage: 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

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