

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Sodium sulfate decahydrate - ACS reagent, ≥99.0%

Product Number:

403008

Na₂SO₄ · 10H₂O

CAS Number:

7727-73-3

MDL:

MFCD00149189

Formula:

Na₂O₄S · 10H₂O

Formula Weight:

322.20 g/mol

| TEST | Specification |
|---|---------------------------|
| Appearance (Color) | White or Colorless |
| Appearance (Form) | Crystals |
| ICP Major Analysis Confirms Sodium and Sulfur Components | Confirmed |
| Purity (Titration by NaOH) | ≥ 99.0 % |
| Insoluble matter | ≤ 0.01 % |
| Calcium (Ca) | ≤ 0.005 % |
| Chloride (CL) | ≤ 5 ppm |
| Iron (Fe) | ≤ 5 ppm |
| Heavy Metals (as Lead) | ≤ 3 ppm |
| Potassium (K) | ≤ 0.005 % |
| Magnesium (Mg) | ≤ 0.003 % |
| pH (5% solution @ 25 Deg C) | 5.2 - 9.2 |
| Phosphate | ≤ 5 ppm |
| Meets ACS Requirements | Current ACS Specification |

Specification: PRD.1.ZQ5.10000024432

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.