

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

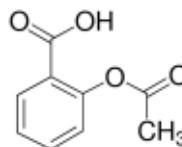
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Acetylsalicylic acid – analytical standard

Product Number: A3160
CAS Number: 50-78-2
MDL: MFCD00002430
Formula: C₉H₈O₄
Formula Weight: 180.16 g/mol



TEST

Specification

| | |
|--|--------------------------------|
| Infrared spectrum | Compares to Reference Standard |
| Identification A (USP) A violet-red color is produced | Pass |
| Readily Carbonizable Sub Readily Carbonizable Substances | Pass |
| The solution has no more color than Matching Fluid Q | |
| Residue on Ignition | ≤ 0.05 % |
| Substances Insol. in Na ₂ CO ₃ TS Substances insoluble in sodium carbonate TS | Pass |
| Clear solution | |
| Chloride | ≤ 0.014% |
| Sulfate | ≤ 0.04% |
| Heavy Metals | ≤ 10µg/g |
| Limit of Free Salicylic Acid | ≤ 0.1% |
| Residual Solvents | Meets Requirements |
| Loss on Drying | ≤ 0.5 % |
| Assay Dried basis | 99.5 - 100.5 % |
| Note | ----- |
| This product meets USP specifications and is traceable to USP Reference Standard. | |

Specification: PRD.2.ZQ5.10000035953

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.