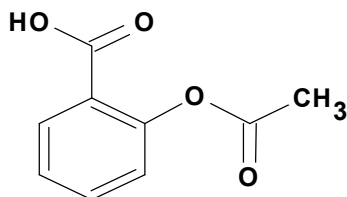


## Product Information

**Acetylsalicylic acid  
analytical standard**Catalog Number **A3160**  
Lot Number 021M8708  
Store at Room TemperatureCAS RN 50-78-2  
Synonyms: 2-Acetoxybenzoic acid, ASA, Aspirin,  
O-Acetylsalicylic acid**Product Description**Molecular Formula: C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>  
Molecular Weight: 180.16

This product meets USP specifications (Current through USP 33, 2nd Supplement) and is traceable to USP Reference Standard lot H.

**Precautions and Disclaimer**

This product is for R&amp;D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Preparation Instructions**

Dry a portion over silica gel for 5 hours before use. Use promptly. Discard unused material.

**Storage/Stability**

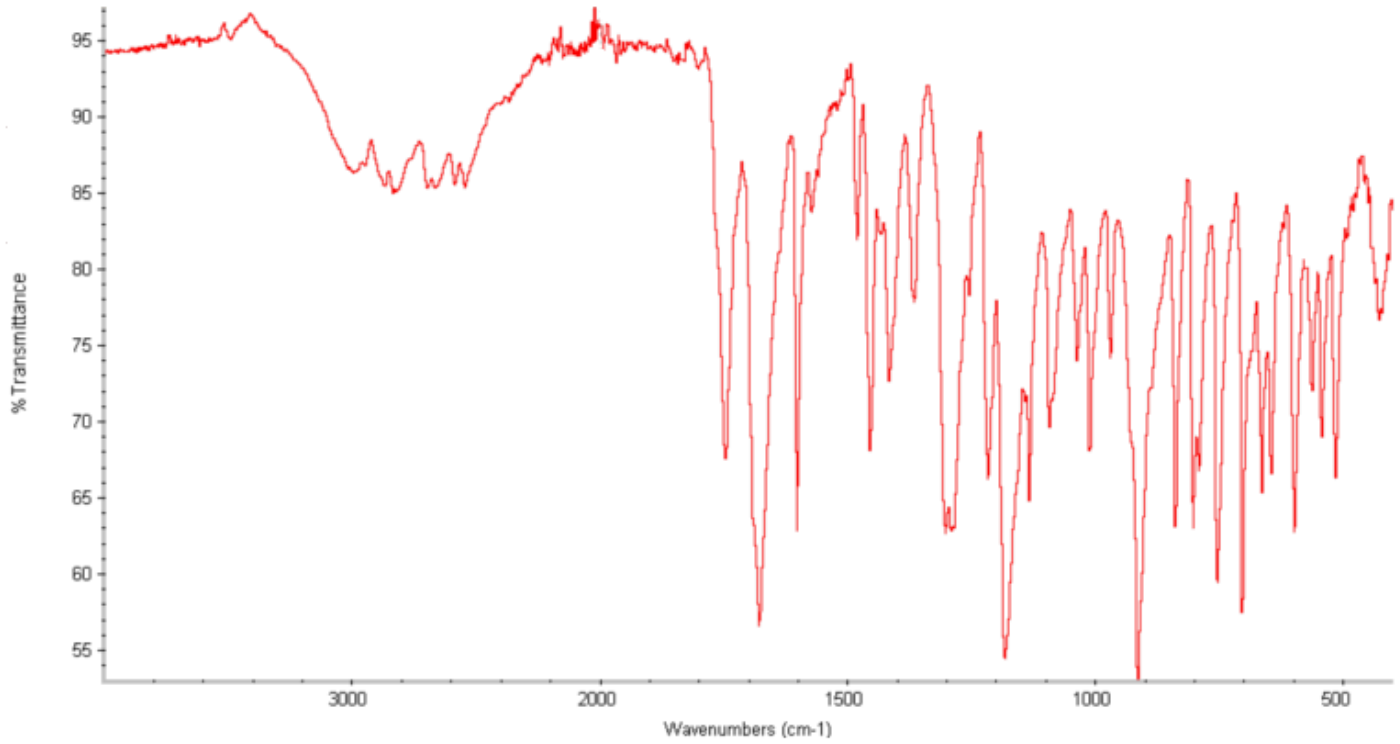
Store in a sealed vial at room temperature.

CMW,MAM 03-11-1

TEST	USP 33 SPECIFICATIONS	Result Sigma Reference Standard Lot 021M8708
Identification A	violet-red color is produced	passes
Identification B Infrared absorption <197K>	compares to standard	conforms to USP RS Lot H
Loss on drying <731>	not more than 0.5%	passes
Readily carbonizable substance <271>	No more color than Matching Fluid Q	passes
Residue on ignition <281>	not more than 0.05%	0.03%
Substances insoluble in sodium carbonate TS	Clear solution	passes
Chloride <221>	Not more than 0.014%	passes
Sulfate	Not more than 0.04%	passes
Heavy metals <231>	Not more than 10 µg per g	passes
Limit of free salicylic acid	Not more than 0.1%	passes
Residual solvents <467>	meets requirements	conforms
Assay	not less than 99.5% and not more than 101% calculated on the dried basis	99.8%

See reverse side for IR spectrum of analytical standard

Infrared Spectrum  
KBr Dispersion



Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.