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Product Information

ASPIRIN SIGMA REFERENCE STANDARD

Product No. **A3160**

Lot No: 67H9421

Storage Temperature: room temperature

Formula: $C_9H_8O_4$

Formula Weight: 180.16

CAS No: 50-78-2

Synonyms: Benzoic acid, 2-(acetyloxy).
Salicylic acid acetate.

Product Description

This product meets USP specifications (Current through USP 23, 6th Supplement), and is traceable to USP Reference Standard lot G

Store at room temperature. Keep tightly closed. Dry a portion over silica gel for 5 hours before using. Use promptly. Discard unused material.

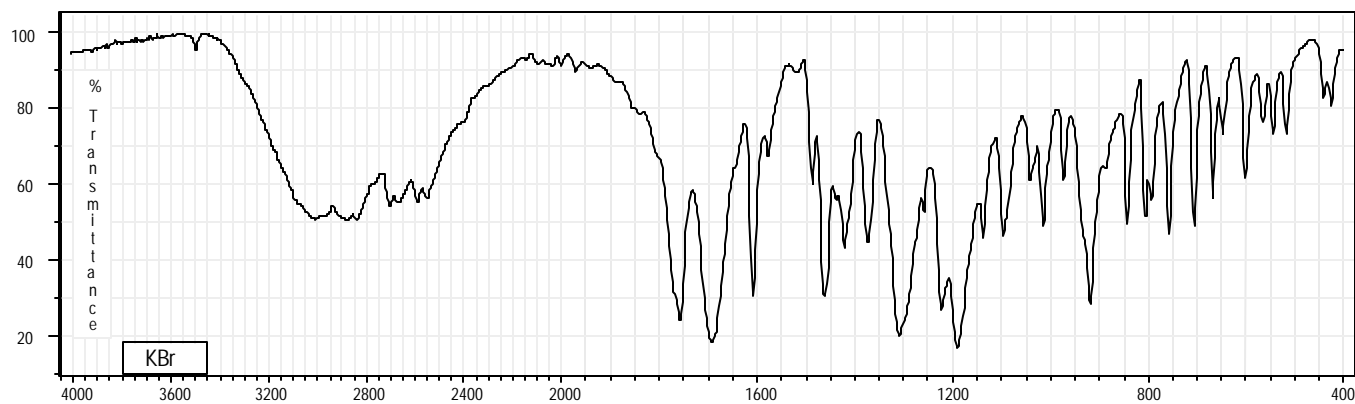
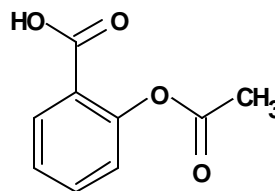
TEST	USP 23 SPECIFICATIONS	Result Sigma R.S. Lot 67H9421
Identification A	violet-red color is produced	passes
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot G
Loss on drying (731)	not more than 0.5%	passes
Readily carbonizable substances (271)	no more color than <i>Matching Fluid Q</i>	passes
Residue on ignition (281)	not more than 0.05%	passes
Substances insoluble in sodium carbonate TS	clear solution	passes
Chloride (221)	not more than 0.014%	passes
Sulfate (221)	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
Organic volatile impurities <i>Method V</i> (467)	meets the requirements	meets the requirements
Assay	not less than 99.5% and not more than 100.5%, calculated on the dried basis	99.8 %

See reverse side for IR spectrum of Sigma Reference Standard.

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INFRARED SPECTRUM

KBr dispersion
Wavenumbers (cm⁻¹)

/

9/2000

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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.