



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## Product Information

### ASPIRIN SIGMA REFERENCE STANDARD

Product No. **A3160**

Lot No: **084K8802**

Storage Temperature: room

Formula:  $C_9H_8O_4$

Formula Weight: 180.16

CAS No: 50-78-2

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

#### Product Description

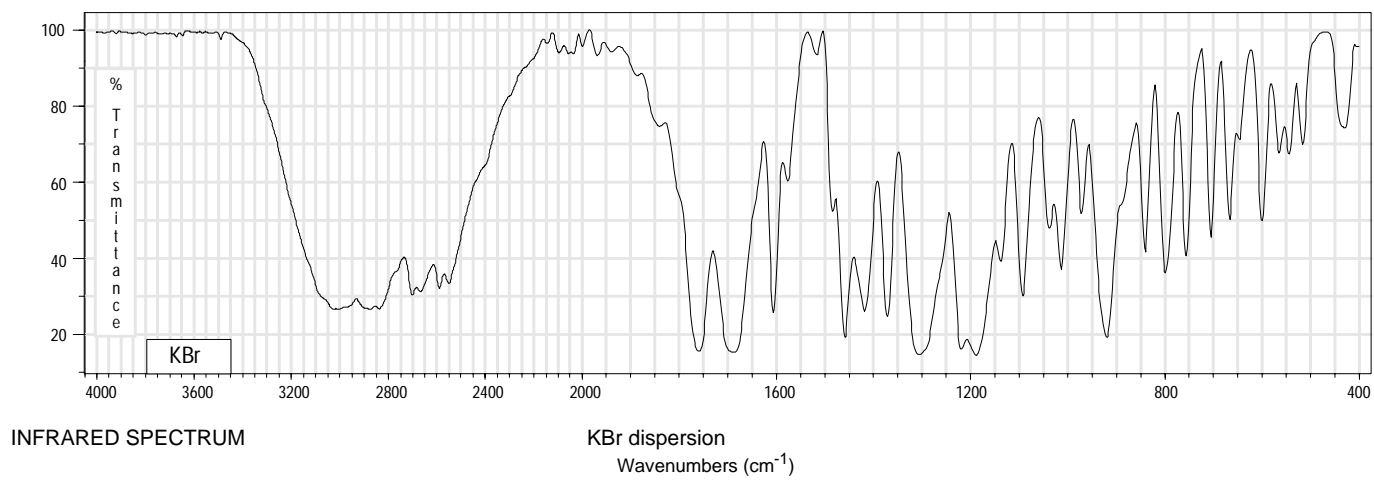
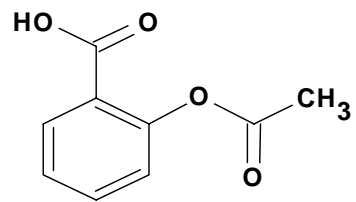
This product meets USP specifications (Current through USP 27, 2nd Supplement), and is traceable to USP Reference Standard lot H.

Dry over silica gel for 5 hours before using. Keep container tightly closed.

TEST	USP 27 SPECIFICATIONS	Result Sigma R.S. Lot 084K8802
Identification A	a violet-red color is produced	passes
Identification B Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot H
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	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 IV</i> (467)	meets requirements	Meets requirements
Assay	not less than 99.5% and not more than 100.5% calculated on the dried basis	100.0%

See reverse side for IR spectrum of Sigma Reference Standard.

**ASPIRIN**  
**SIGMA REFERENCE STANDARD**  
Product No. **A3160**  
Lot 84K8802



INFRARED SPECTRUM

KBr dispersion  
Wavenumbers (cm<sup>-1</sup>)

8/2004

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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.