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## Product Information

### ASPIRIN SIGMA REFERENCE STANDARD

Product No. **A3160**

Lot No: **016K8810**

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

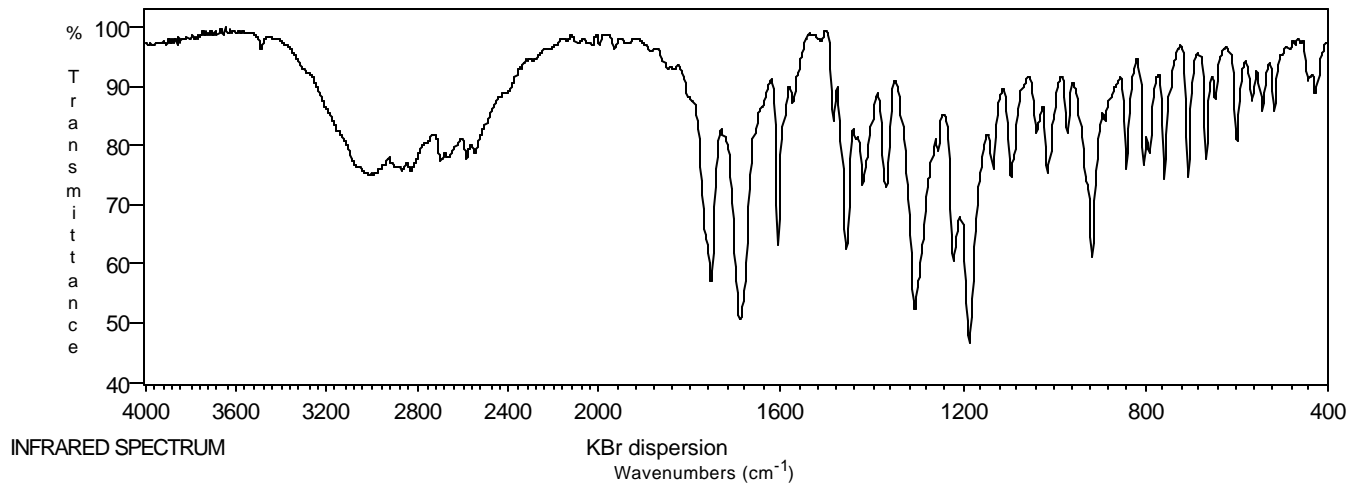
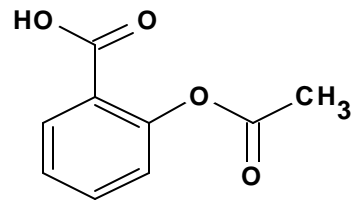
This product meets USP specifications (Current through USP 28, 1st Supplement), and is traceable to USP Reference Standard lot H.

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

| TEST  | USP 28 SPECIFICATIONS   | Result<br>Sigma R.S. Lot 016K8810 |
|---|---|-----------------------------------|
| Identification A  | a violet-red color is produced  | passes                            |
| Identification B<br>Infrared absorption spectrum<br>KBr dispersion <197K> | compares to standard  | conforms to USP RS lot H          |
| Loss on drying <731>  | not more than 0.5%  | 0%                                |
| Readily carbonizable substances<br><271>                                  | no more color than <i>Matching Fluid Q</i>                                    | passes                            |
| Residue on ignition <281>   | not more than 0.05%   | 0.03%                             |
| Substances insoluble in sodium<br>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<br><i>Method IV</i> <467>                     | meets requirements  | Meets requirements                |
| Assay   | not less than 99.5% and not more than<br>100.5% calculated on the dried basis | 100.3%                            |

See reverse side for IR spectrum of Sigma Reference Standard.

**ASPIRIN**  
**SIGMA REFERENCE STANDARD**  
Product No. **A3160**  
Lot 16K8810



2/2006

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