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Product Information

ACETAMINOPHEN SIGMA REFERENCE STANDARD

Product No. **A3035**

Lot No: 24K8800

Storage Temperature: room temperature

Formula: $C_8H_9NO_2$

Formula Weight: 151.16

CAS No: 103-90-2

Synonyms: Acetamide, *N*-(4-hydroxyphenyl)-,
4'-Hydroxyacetanilide.

Product Description

This product meets USP specifications (Current through USP 27, Supplement 1) and is traceable to USP Reference Standard lot J-1.

Store vial at room temperature. Protect from light. Dry a portion over silica gel for 18 hours before using. Use promptly. Discard unused material.

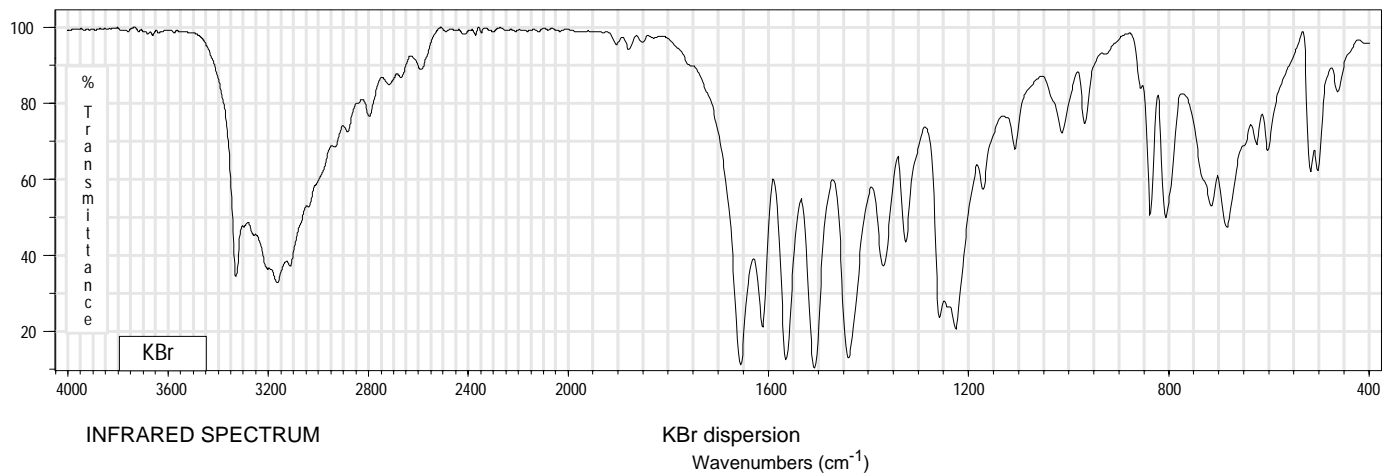
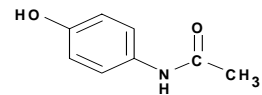
TEST	USP 27 SPECIFICATIONS	Result Sigma R.S. Lot 24K8800
Infrared absorption spectrum KBr dispersion 197K	compares to standard	conforms to USP reference standard lot J-1
Ultraviolet absorption spectrum 5 µg/mL 0.1 N HCl in methanol 197U	compares to standard	conforms to USP reference standard lot J-1
Identification C	meets requirement	
Melting range 741	between 168° and 172°	
Water, <i>Method I</i> 921	not more than 0.5%	
Residue on ignition 281	not more than 0.1%	
Chloride 221	not more than 0.014%	
Sulfate 221	not more than 0.02%	
Sulfide	no coloration or spotting of test paper	
Heavy metals, <i>Method II</i> 231	not more than 0.001%	
Free <i>p</i> -aminophenol	not more than 0.005%	
Limit of <i>p</i> -chloroacetanilide	not more than 0.001%	
Readily carbonizable substances 271	the test solution has no more color than <i>Matching Fluid A</i>	
Organic volatile impurities <i>Method V</i> 467	meets requirement	
Assay	not less than 98.0 percent and not more than 101.0 percent $C_8H_9NO_2$, calculated on the anhydrous basis	100.4%

See reverse side for IR & UV spectra of Sigma Reference Standard.

ACETAMINOPHEN
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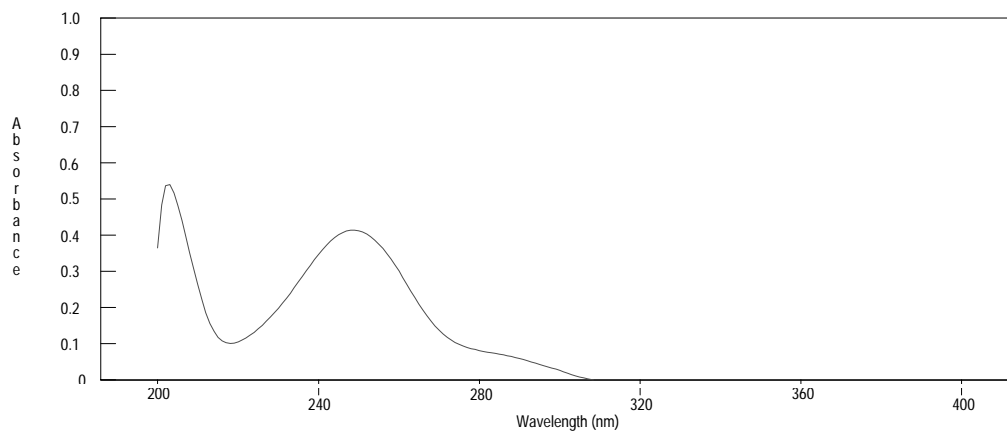
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Lot 24K8800



ULTRAVIOLET SPECTRUM

5.00 µg/mL in 0.1 N HCl in methanol



3/04

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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.