



**SIGMA-ALDRICH**

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## Product Information

### PHENYLEPHRINE HYDROCHLORIDE SIGMA REFERENCE STANDARD

Product No. **P 8155**

Lot No: 073K8811

Storage Temperature: Room Temperature

Formula:  $C_9H_{13}NO_2 \cdot HCl$

Formula Weight: 203.67

CAS No: 61-76-7

Synonyms: Benzenemethanol, 3-hydroxy- $\alpha$ -[(methylamino)methyl]-, hydrochloride (*R*)-, (-) Hydroxy- $\alpha$ -[(methylamino)methyl]benzyl alcohol hydrochloride.

#### Product Description

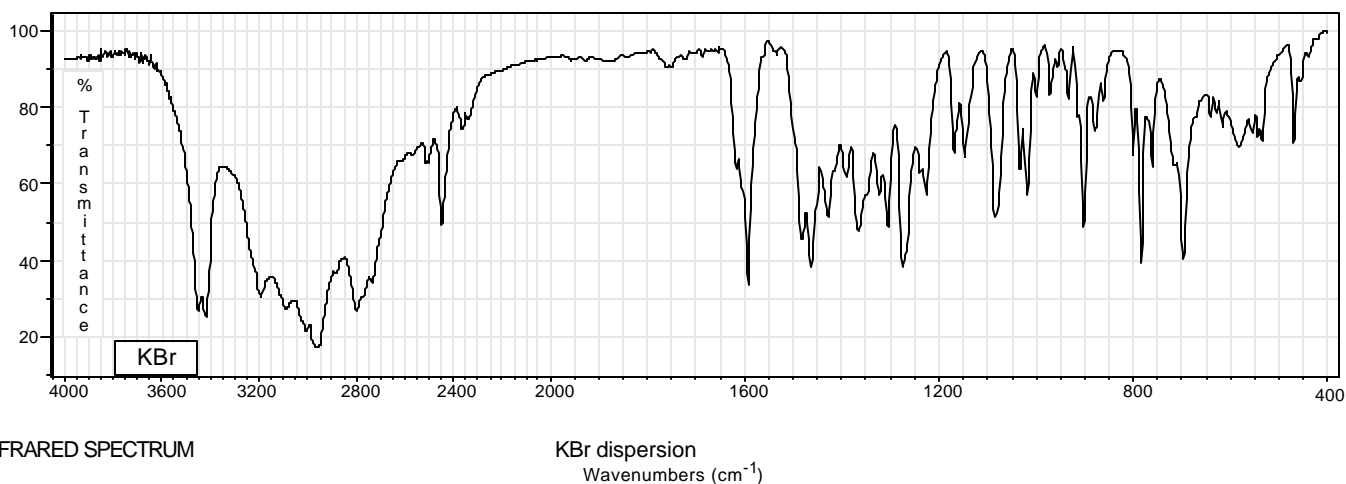
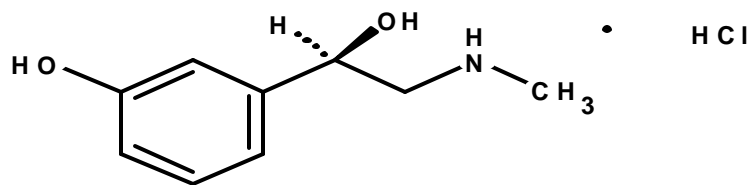
This product meets USP specifications (Current through USP 26, 1st Supplement), and is traceable to USP Reference Standard lot K.

Store in sealed vial at room temperature. Protect from light. Dry a portion at 105°C for 2 hours before using. Use promptly. Discard unused material.

TEST	USP 26 SPECIFICATIONS	Result Sigma R.S. Lot 073K8811
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot K
Identification B	a solution (1 in 100) responds to the test for Chloride (191)	passes
Melting range (741)	between 140° and 145°	143-144°
Specific rotation, 50 mg per mL, in water (781S)	between -42° and -47°	-45°
Loss on Drying (731)	not more than 1.0%	passes
Residue on ignition (281)	not more than 0.2%	passes
Sulfate (221)	not more than 0.20 %	passes
Limit of ketones	less than 1 in 2000	passes
Chromatographic purity (621)	Related impurities not more than 1.0%, with no single impurity at more than 0.5%	passes
Chloride content	between 17% and 17.7%	17.5%
Assay	not less than 97.5% and not more than 102.5%	100.1%

See reverse side for IR spectrum of Sigma Reference Standard.

**PHENYLEPHRINE HYDROCHLORIDE**  
**SIGMA REFERENCE STANDARD**  
Product No. **P 8155**  
Lot 073K8811



INFRARED SPECTRUM

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

7/2003

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