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## Product Information

### LIDOCAINE SIGMA REFERENCE STANDARD

Product No. **L1026**

Lot No: 076K8801

Storage Temperature: Room Temperature

Formula:  $C_{14}H_{22}N_2O$

Formula Weight: 234.34

CAS No: 137-58-6

Synonyms: Acetamide, 2-(diethylamino)-  
N-(2,6-dimethylphenyl)-  
2-(Diethylamino)-2',6'-acetoxyilidide.

#### Product Description

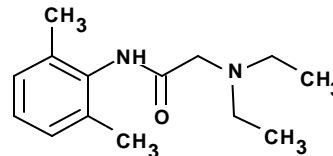
This product meets USP specifications (Current through USP 29 Supplement 2) and is traceable to USP Reference Standard lot L.

Store at room temperature. Keep container tightly closed. Dry a portion in vacuum over silica gel for 24 hours before using. Use promptly. Discard unused material.

TEST	USP 28 SPECIFICATIONS	Result Sigma R.S. Lot 076K8801
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot L
Identification B	a bright green color develops and a fine precipitate is formed	passes
Melting range (741), C°	between 66° and 69°	67.5-69.0°
Residue on ignition (281)	not more than 0.1%	passes
Chloride (221)	meets requirement	passes
Sulfate	meets requirement	passes
Heavy Metals Method I (231)	not more than 0.002%	passes
Assay high performance liquid chromatography (621)	not less than 97.5% and not more than 102.5%	98.5%

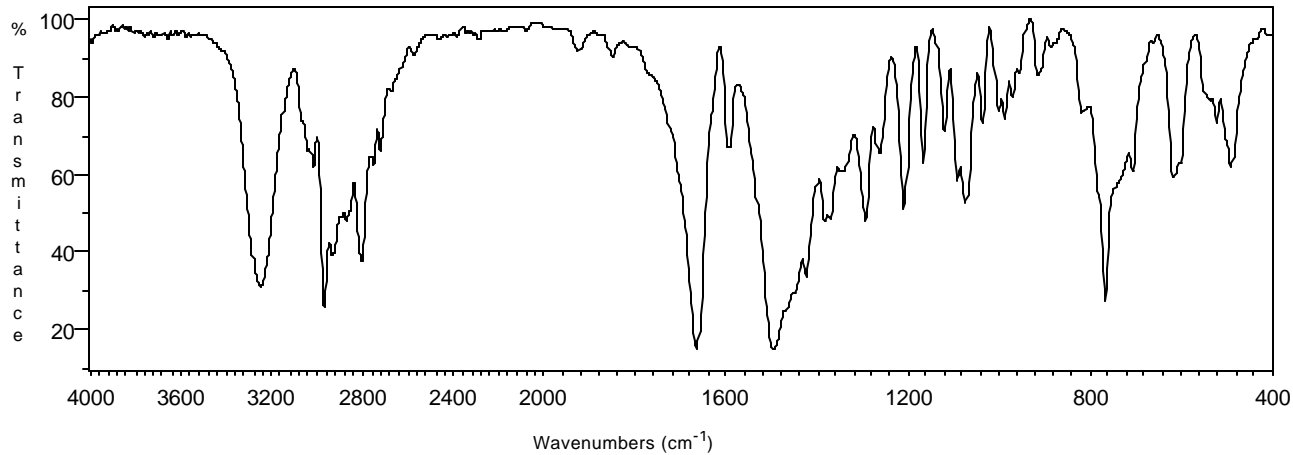
See reverse side for IR spectrum of Sigma Reference Standard.

**LIDOCAINE**  
**SIGMA REFERENCE STANDARD**  
Product No. **L1026**  
Lot 076K8801



INFRARED SPECTRUM

KBr dispersion



6/2006

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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.