



## Product Information

### CHLORPHENIRAMINE MALEATE SIGMA REFERENCE STANDARD

Product No. **C5172**

Lot No: 116H9432

Storage Temperature: room temperature

Formula:  $C_{16}H_{19}ClN_2 \cdot C_4H_4O_4$

Formula Weight: 390.87

CAS No: 7054-11-7

Synonyms: 2-Pyridinepropanamine,  
 $\gamma$ -(4-chlorophenyl)-N,N-  
dimethyl-, (Z)-2-butenedioate (1:1).

2-[p-Chloro-alpha-  
[2-(dimethylamino)ethyl]benzyl]pyridine  
maleate (1:1).

#### Product Description

This product meets USP specifications (Current through USP 23, 5th Supplement), and is traceable to USP Reference Standard lot L

Store in sealed vial at room temperature. Protect from light. Dry a portion at 105°C for 3 hours before using. Use promptly. Discard unused material.

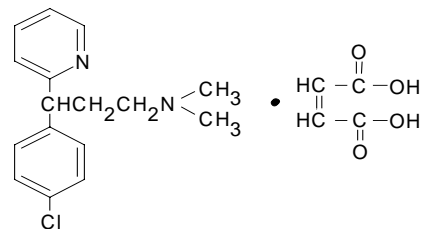
TEST	USP 23 SPECIFICATIONS	Result Sigma R.S. Lot 116H9432
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot L
Melting range (741)	between 130° and 135°	134-135°
Loss on drying (731)	not more than 0.5%	0.01%
Residue on ignition (281)	not more than 0.2%	passes
Related compounds (621)	not more than 2.0%	passes
Organic volatile impurities Method IV (467)	meets requirements	meets requirements
Assay	not less than 98.0% and not more than 100.5%	99.7%

See reverse side for IR spectrum of Sigma Reference Standard.

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**INFRARED SPECTRUM**

KBr dispersion

