



**CHLORPHENIRAMINE MALEATE
SIGMA REFERENCE STANDARD****Product No. C5172**

Lot No: 116H9432

Storage Temperature: room temperature

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

Formula Weight: 390.87

CAS No: 7054-11-7

Synonyms: 2-Pyridinepropanamine,
 γ -(4-chlorophenyl)-N,N-dimethyl-,(Z)-2-butenedioate (1:1).2-[*p*-Chloro-alpha-[2-(dimethylamino)ethyl]benzyl]pyridine maleate (1:1).**Product Description**

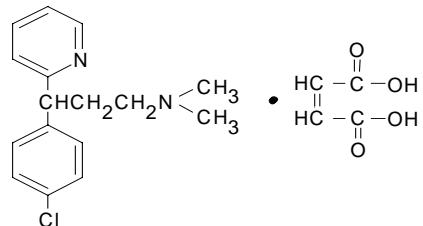
This product meets USP specifications (Current through USP 23, 5th Supplement), and is traceable to USP Reference Standard lot L

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%

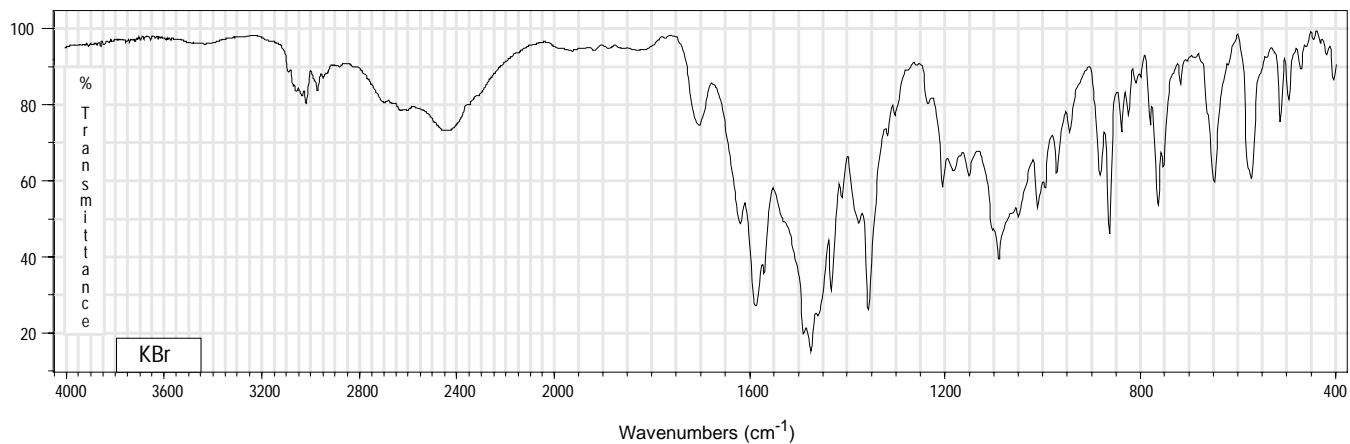
See reverse side for IR spectrum of Sigma Reference Standard.

CHLORPHENIRAMINE MALEATE
SIGMA REFERENCE STANDARD
Product No. **C5172**
Lot 116H9432



INFRARED SPECTRUM

KBr dispersion



1/00

Sigma brand products are sold through Sigma-Aldrich, Inc.
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.