

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Catalogue Number: C377570 CAS Number: 164726-80-1

Synonym: 2-[4-[(4-

4-(p-Chloro-a-phenylbenzyl)-1piperazineethanol Dihydrochloride Chlorophenyl)phenylmethyl]piperazin-1-yl]ethanol Dihydrochloride; 4-[(4-Chlorophenyl)phenylmethyl]-1-

piperazineethanol Dihydrochloride; USP Cetirizine Related Compound G; Cetirizine EP

Impurity G;

Structure:

Molecular Formula:
C19H25Cl3N2O
Molecular weight:

403.77

Source of Product:

N/A Solubility:

Methanol (Slightly), Water

(Slightly)

Lot 3-MWC-23-1

Number: 3-1414/C-23-1

Purity: 97%

Shipping This Product Is Stable To Be **Condition**: Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests:Specifications:Results:AppearanceWhite SolidWhite SolidNMRConforms to StructureConforms

Elemental Analysis Conforms %C: 55.91, %H: 6.25, %N: 7.06

HPLC Purity Report Result 98.61% (230 nm)

MS Conforms to Structure Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By Reviewed By C of A Approved By Test Date Retest Date

Sarbjeet Kaur Toni Rantanen Christina Gouliaras 6/9/2023 6/7/2027

Light Kaut Caulin