

Product: Ambroxol Hydrochloride

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue A 575900 CAS 23828-92-4 Number: Number:

> Synonym: trans-4-[[(2-Amino-3,5-

dibromophenyl)methyl]amino]cyclohexanol

Hydrochloride, Abramen, Ambril,

Bronchopront, Duramucal, Bluibron, Fluixol,

Frenopect

Molecular Formula:

C13H18Br2N2O . HCl

Molecular weight:

378.10 + (36.46)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water

(Slightly)

Purity:

98%

Storage Condition: -20°C

Structure:

OH Bı HCI NH_2 Br

1-EOD-151-1 Number:

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

2. Warning

Lot

Warning 1: Not Determined Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results: White to Off-White Solid White Solid Appearance **NMR** Conforms to Structure Conforms

%C: 37.68, %H: 4.56, %N: 6.62 Elemental Analysis Conforms

Conforms to Structure Conforms

99.60% (210 nm) **HPLC Purity** Report Result

TLC Conditions: C18; Water : Acetonitrile = 6 : 4; Visualized with UV Additional Information:

and KMnO4; Single Spot, Rf = 0.50.Elemental Analysis: (Theoretical)

%C: 37.66, %H: 4.62, %N: 6.76

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

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

Toni Rantanen Nicole Yip My Nguyen 2/20/2020 2/18/2027