

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Catalogue Number: B693120 CAS Number: 3858-78-4

Synonym: Butylamine Monohydrochloride;

Butylammonium Chloride;

Monobutylammonium Chloride; n-Butylamine Hydrochloride; n-Butylammonium Chloride

Structure: H₂N Me • HCI Molecular Formula:

C₄H₁2ClN

Molecular weight:

109.6

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water

(Sparingly)

Lot 2023-SAP-126

Purity: 98%

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

Butylamine Hydrochloride

Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance White to Off-White Solid Off-White Solid

NMR Conforms to Structure Conforms
C NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 44.03, %H: 11.04, %N: 12.98

HPLC Purity Report Result 100.00% (ELSD)

MS Conforms to Structure Conforms
Chloride Content Report Result 34.8%

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

Swathi Reddy Toni Rantanen Chanell Chu 5/15/2023 5/13/2027

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