

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Catalogue G514950 CAS Number: 66-84-2

D-Glucosamine Hydrochloride

Synonym: 2-Amino-2-deoxy-D-glucose Hydrochloride;

2-Deoxy-2-amino-D-glucose Hydrochloride; Chitosamine Hydrochloride; Cosamin; D-(+)-Glucosamine Hydrochloride; D-Glucosamine Chloride; Glucosamine hydrochloride; NSC

234443; NSC 758;

Structure: OH Molecular Formula:

HCI

C₆H₁₃NO₅ • HCl Molecular weight: 179.17 + 36.46

Source of Product:

N/A

Solubility:

Methanol (Slightly, Heated, Sonicated), Water (Sparingly)

Lot Number: 13-XJZ-183-1 Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance White to Off-White Solid White to Off-White Solid

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 33.42, %H: 6.52, %N: 6.37

MS Conforms to Structure Conforms

HPLC Purity >95% 99.76% (ELSD)

Additional Information: Elemental Analysis: (Theoretical) %C: 33.42, %H: 6.54, %N: 6.50

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 Test Date Retest Date

Nicole Yip Toni Rantanen My Nguyen 7/17/2020 7/15/2030

Vyll Kate ubr