



## CERTIFICATE OF ANALYSIS

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### 1. Identification

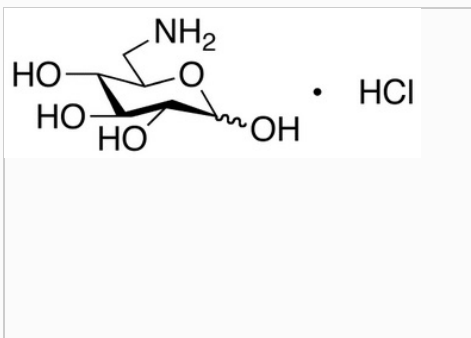
**Catalogue Number:** A603950

**CAS Number:** 55324-97-5

**Product:** 6-Amino-6-deoxy-D-glucose Hydrochloride

**Synonym:**

**Structure:**



**Molecular Formula:**

$C_6H_{13}NO_5 \cdot HCl$

**Molecular weight:**

215.63

**Source of Product:**

Synthetic

**Solubility:**

Water (Sparingly, Sonicated)

**Lot Number:** 1-LIU-93-3

**Purity:** 98%

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

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:** Hygroscopic

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	Off-White to Pale Brown Solid
Specific Rotation	Report Result	+46.3° (c = 1.0, Water; 24 Hours)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 33.38, %H: 5.97, %N: 6.50
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.68% (ELSD)

**Additional Information:**

TLC Conditions: C18; Methanol : Water : Acetic Acid = 8 : 2 : 0.1;  
Visualized with UV, AMCS, and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> =  
0.70. 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 ± 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
Hanxiang Li	Toni Rantanen	My Nguyen	2/3/2020	2/1/2027

Hanxiang Li

Toni Rantanen

My Nguyen