

Certificate of Analysis

Date of Testing: 2022-09-27 16:45:26

Date of Next Testing: 2024-09-16 16:45:26

Product Name: **D-Biotin**

CAS Number: 58-85-5

Specifications & Purity: ≥99% (HPLC), lyophilized powder

Lot #: I2221152

SKU #: **B105434**

Analysis: **130365**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	48.5-49.9 (%)	49.26 %
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.54 %
Purity(HPLC)	98-100 (%)	98.75700 %
Specific Rotation [α] ₂₅ /D(c=2 in 0.1 M NaOH)	89-93 (°)	90.97°
Appearance (B105434)	White to Off-White Powder	White to Off-White Powder
Solubility in 2M NH ₄ OH , Colorless to light yellow,Clear,50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager