

Certificate of Analysis

Date of Testing: 2024-11-14 10:30:05
Date of Next Testing: 2026-11-04 10:30:05
Product Name: **D-Biotin**
CAS Number: 58-85-5
Specifications & Purity: Moligand™, ≥99%(HPLC), lyophilized powder
Lot #: K2413238
SKU #: **B105434**
Version: **0**
Analysis #: **431352**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [α] ₂₅ /D(c=2 in 0.1 M NaOH)	89-93 (°)	89.19°
Carbon by Elemental Analysis	48.5-49.9 (%)	48.94%
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.43%
Purity(HPLC)	98-100 (%)	99.92500%
Appearance (B105434)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 2M NH ₄ OH , Colorless to light yellow, Clear, 50 mg/ml	pass	Pass



John Su
QA & QC Manager