

Certificate of Analysis

Date of Testing: 2023-05-09 09:28:48
Date of Next Testing: 2025-04-28 09:28:48
Product Name: **D-Biotin**
CAS Number: 58-85-5
Specifications & Purity: $\geq 99\%$ (HPLC), lyophilized powder
Lot #: D2317493
SKU #: **B105434**
Analysis: 220243
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{25}^D(c=2 \text{ in } 0.1 \text{ M NaOH})$	89-93 (°)	90.00°
Carbon by Elemental Analysis	48.5-49.9 (%)	49.00%
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.50%
Purity(HPLC)	98-100 (%)	99.88300%
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