

## Certificate of Analysis

Date of Testing: 2023-05-09 13:10:23  
Date of Next Testing: 2025-04-28 13:10:23  
Product Name: **D-Biotin**  
CAS Number: 58-85-5  
Specifications & Purity:  $\geq 99\%$  (HPLC), lyophilized powder  
Lot #: D2317482  
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 <sub>4</sub> OH , Colorless to light yellow, Clear, 50 mg/ml	pass	Pass



John Su  
QA & QC Manager