

Certificate of Analysis

Date of Testing: 2023-05-23 16:48:40
Date of Next Testing: 2025-05-12 16:48:40
Product Name: **D-Biotin**
CAS Number: 58-85-5
Specifications & Purity: $\geq 99\%$ (HPLC), lyophilized powder
Lot #: E23181184
SKU #: **B105434**
Analysis: **205025**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	48.5-49.9 (%)	49.07%
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.53%
Purity(HPLC)	98-100 (%)	99.55700%
Specific Rotation $[\alpha]_{25}^D(c=2 \text{ in } 0.1 \text{ M NaOH})$	89-93 (°)	89.43°
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