

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-02 17:13:50  
Date of Next Testing: 2028-11-01 17:13:50  
Product Name: **D-Biotin**  
CAS Number: 58-85-5  
Specifications & Purity: Moligand™, ≥98%  
Lot #: J2431151  
SKU #: **B105433**  
Version: **0**  
Analysis #: **419481**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.00%
Specific Rotation [α] <sub>20</sub> /D(c=2 in 0.1N NaOH)	89.5-91.5 (°)	90.16°
Purity(Neutralization titration)	98-100 (%)	98.50%
Sulfate Ash	0-0.1 (%)	0.09%
Appearance (B105433)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in 2M NH <sub>4</sub> OH , Colorless to light yellow,Clear,50 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager