

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-13 09:28:10
Date of Next Testing: 2028-12-12 09:28:10
Product Name: **D-Biotin**
CAS Number: 58-85-5
Specifications & Purity: Moligand™, ≥98%
Lot #: L2404484
SKU #: **B105433**
Version: **0**
Analysis #: **437625**
Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|--|---------------------------------------|---------------------------------------|
| Loss on drying | 0-1 (%) | 0.08 % |
| Specific Rotation [α] ₂₀ /D(c=2 in 0.1N NaOH) | 89.5-91.5 (°) | 89.51° |
| Purity(Neutralization titration) | 98-100 (%) | 98.91 % |
| Sulfate Ash | 0-0.1 (%) | 0.04 % |
| Appearance (B105433) | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| 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