

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-10 21:44:26  
Date of Next Testing: 2024-05-30 21:44:26  
Product Name: **D-Biotin**  
CAS Number: 58-85-5  
Specifications & Purity:  $\geq 99\%$  (HPLC), lyophilized powder  
Lot #: F2206079  
SKU #: **B105434**  
**Analysis:** **097344**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> <sup>25</sup> (c=2 in 0.1 M NaOH)	89-93 (°)	89.93°
Carbon by Elemental Analysis	48.5-49.9 (%)	49.58%
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.62%
Purity(HPLC)	98-100 (%)	99.87000%
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