

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-16 17:42:58

Date of Next Testing: 2027-07-16 17:42:58

Product Name: **Biotin**

CAS Number: 58-85-5

Specifications & Purity: powder, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, $\geq 99\%$

Lot #: G2412033

SKU #: **B433006**

Version: **1**

Analysis #: **203082**

Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Carbon by Elemental Analysis	48.5-49.9 (%)	49.00%
Nitrogen by Elemental Analysis	11.2-11.8 (%)	11.50%
Purity(HPLC area)	99-100 (%)	99.88%
Appearance(B433006)	White to Off White Powder	White to Off White Powder
Solubility Colorless to Faint Yellow Clear(50 mg/ml, 2 M NH4OH)	pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Cell Culture Test	pass	Pass
Insect Cell Test	Pass	Pass
Plant cell culture test	pass	Pass



John Su
QA & QC Manager