

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-09 09:56:32

Date of Next Testing: 2026-05-08 09:56:32

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, ≥99%

Lot #: D2317496

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