

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-11 14:19:24
 Date of Next Testing: 2030-03-10 14:19:24
 Product Name: **Vitamin B₁₂**
 CAS Number: 68-19-9
 Specifications & Purity: for cell culture, for insect cell culture
 Lot #: C2603041
 SKU #: **V104142**
 Version: **0**
 Analysis #: **670858**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	0-12 (%)	2.20000 %
Purity(HPLC)	98-100 (%)	98.60000 %
Appearance (V104142)	Red to dark red to brown powder or crystals or crystalline powder	Red to dark red to brown powder or crystals or crystalline powder
Cell Culture Test	pass	Pass
for plant cell culture test	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Insect cell culture test	pass	Pass
Solubility in H ₂ O , Dark Red,10 mg/ml	pass	Pass



John Su
QA & QC Manager