

Certificate of Analysis

Date of Testing: 2023-03-18 15:23:09

Date of Next Testing: 2027-03-17 15:23:09

Product Name: **Vitamin B₁₂**

CAS Number: 68-19-9

Specifications & Purity: for cell and insect cell culture

Lot #: C2310594

SKU #: **V104142**

Analysis: **201607**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying	0-12 (%)	0.18 %
Purity(HPLC)	98-100 (%)	98.20000 %
Appearance (V104142)	red to brown powder	red to brown 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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager