

## Certificate of Analysis

Date of Testing: 2023-02-20 13:37:06

Date of Next Testing: 2027-02-19 13:37:06

Product Name: **Vitamin B12**

CAS Number: 68-19-9

Specifications & Purity: 98%

Lot #: B2315013

SKU #: **V104140**

**Analysis:** **149852**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                             | Limit Values                            | Result                                  |
|---------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(HPLC)                          | 98-100 (%)                              | 98.20000 %                              |
| Purity(UV method)                     | 98-102 (%)                              | 99.36 %                                 |
| total bacterial count                 | 0-800 (cfu/μl)                          | 26.32 cfu/μl                            |
| Total impurities                      | 0-3 (%)                                 | 1.32 %                                  |
| Loss on drying                        | 0-10 (%)                                | 0.18 %                                  |
| Appearance (V104140)                  | Red to Very Dark Red Crystals or Powder | Red to Very Dark Red Crystals or Powder |
| Infrared spectrum                     | Conforms to Structure                   | Conforms to Structure                   |
| Solubility in H2O, Dark Red, 50 mg/ml | Pass                                    | Pass                                    |



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