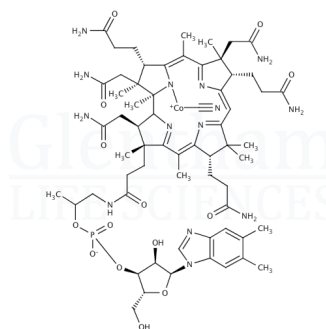


Certificate of Analysis

Product Name Vitamin B12, pyrogen free
Glentham Code GV3321
CAS Number 68-19-9
EINECS 200-680-0
MDL Number MFCD00151092
Batch Number 807XAJ

Molecular Weight 1355.38
Molecular Formula $C_{63}H_{88}CoN_{14}O_{14}P$
Storage Temp. +4°C



Property	Specification	Batch 807XAJ
Physical Description	Dark red crystalline powder	Dark red powder
Solubility (5% in water)	Clear, red to dark red solution	Clear, dark red solution
Loss on Drying	≤ 12.0%	1.6%
Assay	≥ 96.0% (anhydrous basis)	98.1%
Pyrogens	Free from pyrogens	Conforms

Specification Version v1.0
Manufacture Date 2019-06-18
Re-Test Date 2028-06-25

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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