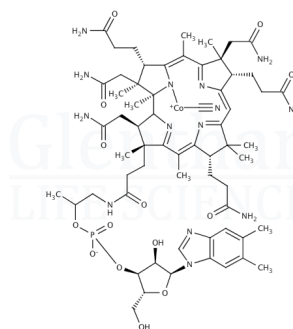


Certificate of Analysis

Product Name	Vitamin B12
Glentham Code	GE2859
CAS Number	68-19-9
EINECS	200-680-0
MDL Number	MFCD00151092
Batch Number	893KPT

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



Property	Specification	Batch 893KPT
Physical Description	Dark red crystalline powder	Dark red crystalline powder
Identification (UV)	To pass test	Conforms
Identification (TLC)	To pass test	Conforms
Related Substances	≤ 3.0%	1.0%
Loss on Drying	≤ 12.0%	4.1%
Assay	96.0 - 102.0 % (anhydrous)	99.4%
Pharmacopoeia Specification(s)	Ph. Eur., USP	Conforms

Specification Version	v1.1
Manufacture Date	2022-03-05
Re-Test Date	2029-03-24

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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