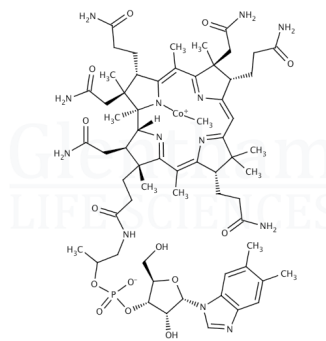


Certificate of Analysis

Product Name Methylcobalamin hydrate
Glentham Code GV9033
CAS Number 13422-55-4
EINECS 236-535-3
MDL Number MFCD00082483
PubChem SID 310276646
Additional CAS 288315-09-3 ($\cdot xH_2O$)
Batch Number 554LUG

Molecular Weight 1344.41 (anhydrous)
Molecular Formula $C_{63}H_{91}CoN_{13}O_{14}P \cdot xH_2O$
Storage Temp. -20°C



Property	Specification	Batch 554LUG
Physical Description	Dark red crystalline powder or crystals	Dark red crystalline powder
Water	$\leq 12.0\%$	4.5%
Assay	98.0 - 102.0 % (dried basis)	99.2%

Specification Version v1.0
Manufacture Date 2021-11-15
Re-Test Date 2028-11-29

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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