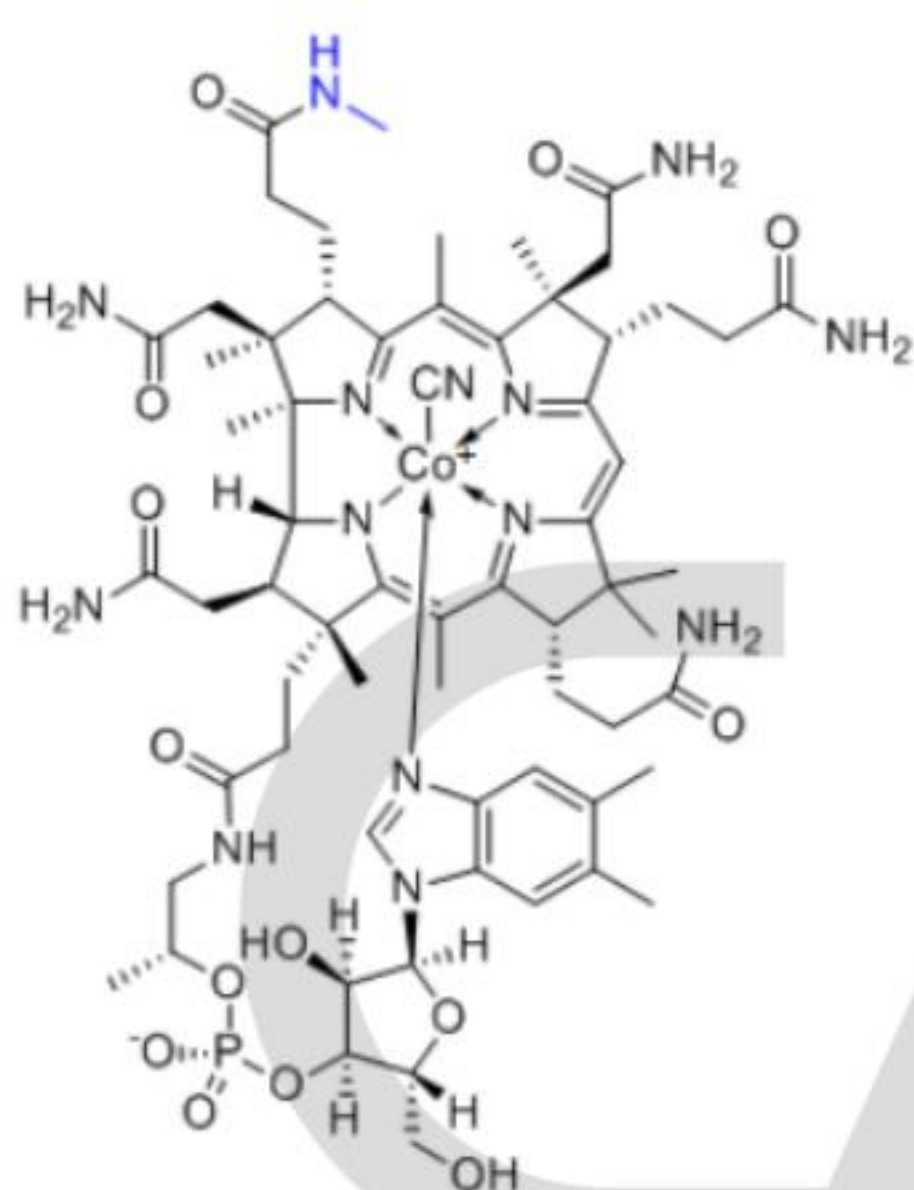


Certificate of Analysis

Reference Material & Standard

Product Name:	34-Methylcyanocobalamin(Cyanocobalamin EP Impurity C)	Catalogue Number:	C4X-18749
Synonyms:	N/A	Lot Number:	0721-RG-0128
CAS Number:	38218-51-8	Expiry Date:	Jul 17, 2029
Molecular Formula:	C ₆₄ H ₉₀ CoN ₁₄ O ₁₄ P	Storage:	-80°C ± 5°C Protected from light and Sealed
Molecular Weight:	1369.42		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.542%
Water Content	Karl Fischer	4.76%
Residual Solvents	NMR	Not detected in NMR
Assay		94.8%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 22, 2025

Date: Jul 22, 2025

Date: Jul 22, 2025

