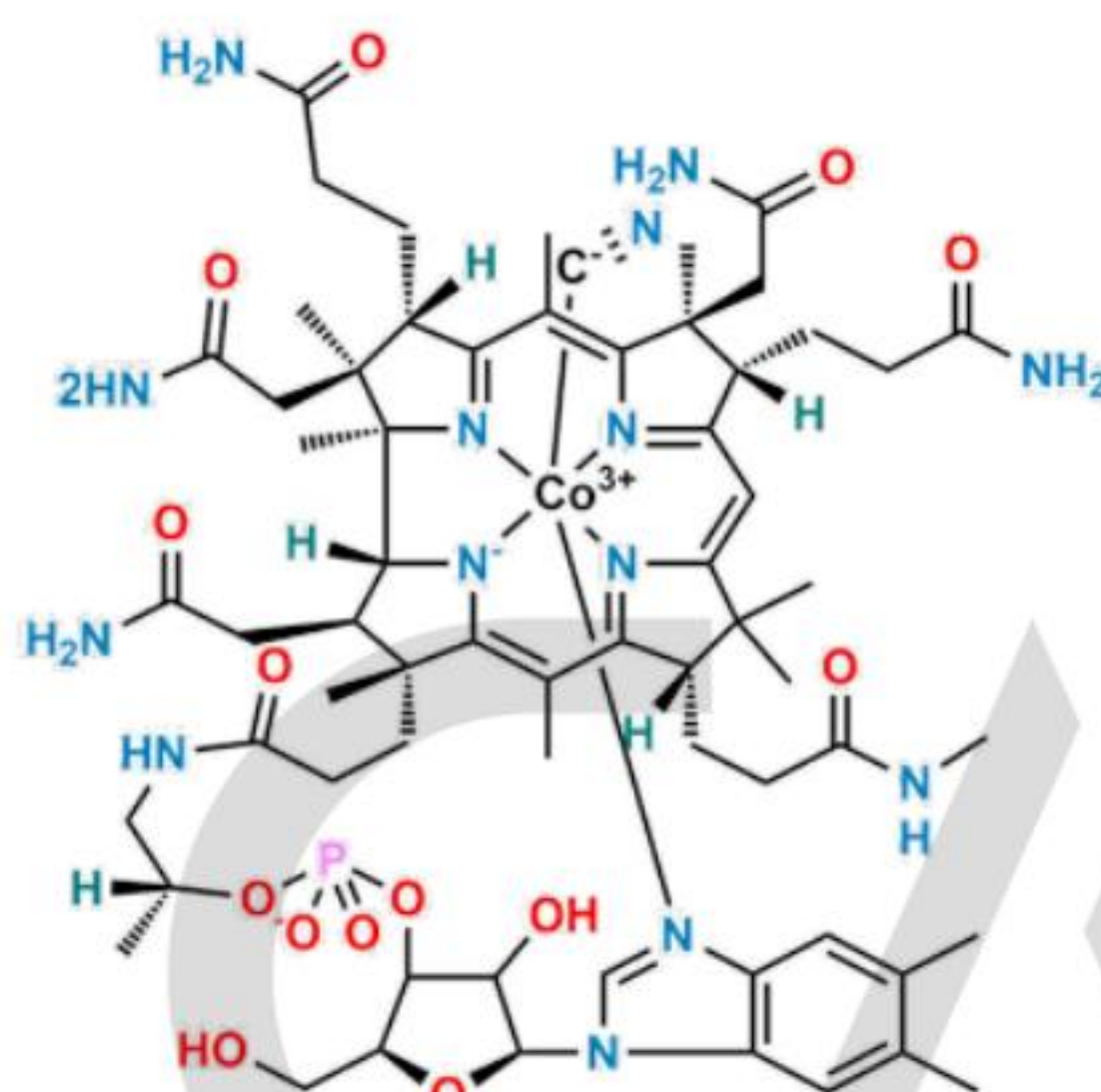


Certificate of Analysis

Reference Material & Standard

Product Name:	Cyanocobalamin EP Impurity G(50-methylcyanocobalamin)	Catalogue Number:	C4X-187416
Synonyms:	N/A	Lot Number:	0619-RG-0107
CAS Number:	15130-04-8	Expiry Date:	Apr 29, 2027
Molecular Formula:	C ₆₄ H ₉₀ CoN ₁₄ O ₁₄ P	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	1369.40		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.25%
Loss On Drying	TGA	5.27%
Assay		91.2%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 20, 2025

Date: Jun 20, 2025

Date: Jun 20, 2025

