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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

Re-test Date: Nov 2026

**Product Name: Hydroxocobalamin (In House Standard)**

### Identification:

Chemical Name: Co $\alpha$ -[ $\alpha$ -(5,6-dimethylbenzimidazolyl)]-Co $\beta$ -hydroxocobamide (as per EP)

Synonyms : Cyanocobalamin EP Impurity H

CAS Number : 13422-51-0

CAT Number : CP-H13000

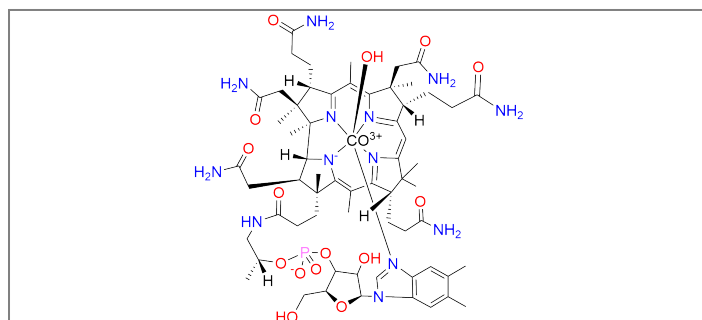
Molecular Formula : C<sub>62</sub>H<sub>89</sub>CoN<sub>13</sub>O<sub>15</sub>P+

Molecular Weight : 1346.38

Batch Number : CHEM-HYD-H

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Red Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.52%
5)	H1NMR	Confirm to structure



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

### Approved By

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.