

CERTIFICATE OF ANALYSIS

(Certificate No. KMC031001-01)

Release Date: 08/05/2024

Re-test Date: 07/05/2027

Cyanocobalamin Impurity

Identification

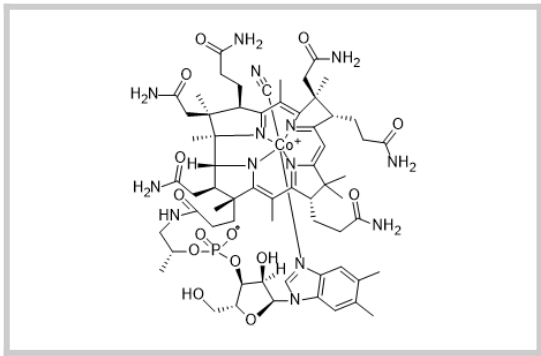
Chemical Name :
Alpha-(5,6-Dimethylbenzimidazolyl)cobamidcyanide

CAT No. : KMC031001

CAS No. : 68-19-9

Molecular Formula : C₆₃H₈₈CoN₁₄O₁₄P

Molecular Weight : 1355.37



Analytical Information

Batch No. : CYA-PRS-073-196

Description : Red Solid

HPLC Purity : 99.80 %

Weight Loss By TGA : 3.50 %

% Potency : 96.31 %

Solubility : Water

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 3.50(Weight Loss By TGA)] x [99.80(HPLC Purity)]/100 = 96.31 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/05/2024
Reviewed & Approved By	Quality Control	Jatin Patel		10/05/2024

Attachments : COA, HPLC, MASS, ¹HNMR, IR and TGA