CERTIFICATE OF ANALYSIS

(Certificate No. KMC031001-01)

Release Date: 26/05/2026 **Re-test Date:** 25/05/2029

Cyanocobalamin Impurity Standard

Identification

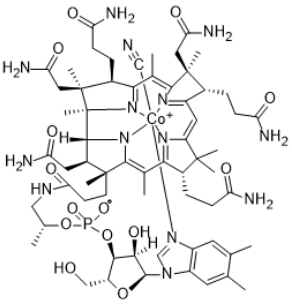
Chemical Name :
Alpha-(5,6-Dimethylbenzimidazolyl)cobamidcyanide

CAT No. : KMC031001

CAS No. : 68-19-9

Molecular Formula : C63H88CoN14O14P

Molecular Weight : 1355.37



Analytical Information

Batch No.	: CYA-PRS-073-196	**Solubility**	: Water
Description	: Red Solid	**Mass**	: Confirm
HPLC Purity	: 99.52 %	**IR**	: Confirm
Weight Loss By TGA	: 10.16 %	**1H NMR**	: Confirm
% Potency	: 89.41 %	**13C 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 - 10.16(Weight Loss By TGA)] x [99.52(HPLC Purity)]/100 = 89.41 %
-Re-tested on 26.05.2026
-Repeat TGA analysis on 25.06.2026
-13C NMR added on 08.07.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		08/07/2026
Reviewed & Approved By	Quality Control	Jatin Patel		08/07/2026

Attachments : COA, HPLC, MASS, 1HNMR,13C NMR, IR and TGA