

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C054014-0845)

Analysis Date: 25/08/2022

Re-test Date: 24/08/2024

Methylcobalamin In-House Reference Standard

Identification

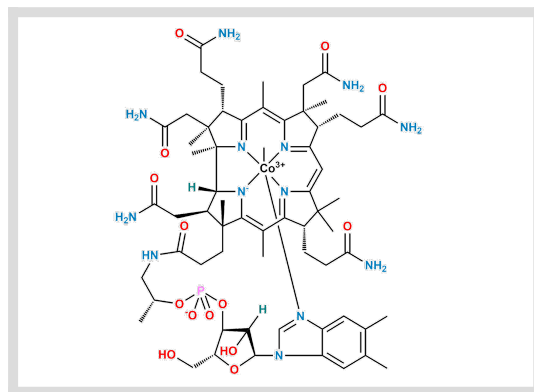
Chemical Name : Methyl-5,6-dimethylbenzimidazolylcobalamin

CAT No. : SZ-C054014

CAS No. : 13422-55-4

Molecular Formula : C₆₃H₉₁CoN₁₃O₁₄P

Molecular Weight : 1344.4



Analytical Information

Batch Code : SRL-1134-260

Solubility : Mobile Phase A

Appearance of product : Red Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 0.30 %

HPLC Purity : 98.68 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

DEPT Analysis : Confirm

Additional Information

% Potency = [100 - 0.30 (Wt loss by TGA)] X [98.68 (HPLC Purity)] / 100 = 98.38 %

Mobile Phase A : Solution A: 200 ml ACN+800 mL Buffer+3.76 g C₆H₁₃NaO₃S

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, ¹H NMR, IR, TGA, ¹³C NMR, DEPT

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.