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Certificate of Analysis

Product	77472 - Vitamin B12 for molecular biology, 97% - [68-19-9]
Batch No	8215340
Analysis Date	25-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	C63H88O14N14PCo
Molecular Weight	1355.38

Test Parameters	Standards	Actual Results
Appearance (Colour)	Dark red	Dark red
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 0.02% aq. solution	Clear	Clear
Solubility (Colour) 0.02% aq. solution	Red	Red
Assay (UV)	min. 97%	97.4%
Spectral Ratio (A361nm/A278nm)	1.70-1.88	1.83
Spectral Ratio (A361nm/A550nm)	3.15-3.40	3.28
Spectral Ratio (A351nm/A361nm)	0.57-0.65	0.60
Water (KF)	max. 12%	2.3%

FRM/82/11/4/77472 Rev No. 1 Date 01/11/2015

Prepared by **Mayur**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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