



**SISCO
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Certificate of Analysis

Product	12540 - Vitamin B12 for cell culture, 97%, Endotoxin (BET) 0.05EU/mg - [68-19-9]
Batch No	3660065
Analysis Date	23-Jul-2022
Date of Manufacture	July 2022
Expiry Date/Re-Test Date	July 2027
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%	99.9%
Spectral Ratio (A361nm/A278nm)	1.70 -1.88	1.82
Spectral Ratio (A361nm/A550nm)	3.15 - 3.40	3.30
Spectral Ratio (A351nm/A361nm)	0.57 - 0.65	0.61
Water (KF)	max. 12%	10.0%
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes

FRM/82/11/4/12540 Rev No. 2 Date 17/02/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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