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Certificate of Analysis

Product	19628 - β-Nicotinamide Adenine Dinucleotide (Oxidized) (β-NAD, DPN) ExiPlus, Multi-Compendial, 98% - [53-84-9]
Batch No	2903755
Analysis Date	11-Dec-2023
Date of Manufacture	December 2023
Expiry Date/Re-Test Date	December 2028
Molecular Formula	C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂
Molecular Weight	663.44

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur	Passes
Appearance (Colour)	White to off-white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless to pale yellow	Colourless
Assay (UV) on dry basis	min. 98.0%	98.7%
pH (1% aq. solution)	2.5 - 3.0	2.6
Absorbance (A) of 1% aq. solution (pH 7.0) in a 1cm cell		
@260nm	255 - 270	267.2
Spectral Ratio (A _{250nm} /A _{260nm})	~0.82	0.82
Spectral Ratio (A _{280nm} /A _{260nm})	~0.21	0.21
Water (KF)	max. 7%	5.7%

FRM/82/11/4/19628 Rev No. 3 Date 03/09/2023

Prepared by **Dhanashree**

In compliance with the standard specifications of SRL

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

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