



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

<b>Product</b>	<b>64257 - <math>\beta</math>-Nicotinamide Adenine Dinucleotide (Oxidized) (<math>\beta</math>-NAD, DPN) for cell culture, 98% - [53-84-9]</b>
<b>Batch No</b>	<b>8367855</b>
<b>Analysis Date</b>	05-Jul-2022
<b>Date of Manufacture</b>	July 2022
<b>Expiry Date/Re-Test Date</b>	July 2027
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub>
<b>Molecular Weight</b>	663.44

Test Parameters	Standards	Actual Results
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 to pale yellow
Assay	min. 98%	98.1%
pH (1% aq. solution)	2.5 - 3.0	2.6
Absorbance (A) of 1% solution (pH 7.0) in a 1 cm cell v/s buffer		
@260nm	255 - 270	258
Spectral Ratio (A <sub>250nm</sub> /A <sub>260nm</sub> )	~ 0.82	0.82
Spectral Ratio (A <sub>280nm</sub> /A <sub>260nm</sub> )	~ 0.21	0.20
Water (KF)	max. 7.0%	3.7%
Suitability for Cell Culture	Passes test	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes

FRM/82/11/4/64257 Rev No. 2 Date 16/05/2022

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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

1/1

This COA has been generated electronically and it is valid without signature.

[an ISO 9001-2015 Certified Company](#)