



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

-CERTIFICATE OF ANALYSIS-

Product: Nicotinamide adenine dinucleotide, oxidised form

Code No: BIO-297

CAS No: 53-84-9

Formula: $C_{21}H_{27}N_7O_{14}P_2$

Batch No: 427710

Purity: 97.7%

NAD⁺ content: 94.8%

Water content: 3.0%

Spectral analysis:

1. ϵ at 260nm and pH 7.5: 17.8×10^3 L/mole/cm

2. Ratio at pH 7.5

A_{250}/A_{260} : 0.82

A_{280}/A_{260} : 0.20

3. ϵ when reduced with alcohol dehydrogenase at 340 nm and pH 10: 6.2×10^3 L/mole/cm

4. Ratio when reduced with alcohol dehydrogenase at pH 10

A_{340}/A_{260} : 0.42