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CERTIFICATE OF ANALYSIS

Product: Nicotinamide adenine dinucleotide phosphate
Code No: BIO-299
CAS No: 1184-16-3
Formula: $C_{21}H_{27}N_7O_{17}P_3 \cdot Na$
Batch Number: 481664
Purity: 98.2%
NADP⁺ content: 90.0%
Sodium content: 2.6% by atomic absorption spectroscopy
Water content: 5.8% by KF
Spectral analysis:
1. ϵ at 260nm and pH 7.5
 $17.5 \times 10^3 \text{ L.mole}^{-1} \cdot \text{cm}^{-1}$
2. ϵ when reduced with glucose -6-phosphate dehydrogenase at 340nm and pH7.5.
 $6.1 \times 10^3 \text{ L.mole}^{-1} \cdot \text{cm}^{-1}$
3. Ratio at pH 7.5 A_{250}/A_{206} 0.83
 A_{280}/A_{260} 0.21
4. Ratio when reduced with glucose-6-phosphate dehydrogenase at Ph 7.5
 A_{340}/A_{260} 0.42

Prepared by:
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