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## Certificate of Analysis

**Product Description:** beta-Nicotinamide Adenine Dinucleotide Reduced Disodium Salt

**Catalog Number:** 160050

**Lot:** 6169C

**Formula:** C<sub>21</sub>H<sub>27</sub>N<sub>7</sub>O<sub>14</sub>P<sub>2</sub>Na<sub>2</sub>

**CAS #:** 606-68-8

**Physical Description:** off-white powder

**Formula Weight:** 709.4

**Storage:** -0°C, desiccate, protect from light, store under nitrogen

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.3%
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS(H <sub>2</sub> O): □ max OD260/OD340	258 - 260 nm 2.0-2.8	259.5nm 2.59
Water Content	≤ 6%	3.7%
pH (10% aq soln)	7.5 - 9.5	Passes

Approved - 03/14/2000 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)