



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** beta-Nicotinamide Adenine Dinucleotide Reduced Disodium Salt  
**Catalog Number:** 160050  
**Lot:** 5932E

**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:** pale yellow powder

**Formula Weight:** 709.4

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

Test	Specification	Result
Identity Test	Passes	<b>Passes</b>
Purity	≥98%	<b>99.9%</b>
FTIR	Conforms to Standard	<b>Passes</b>
UV/VIS(H <sub>2</sub> O): □ max OD260/OD340	258 - 260 nm 2.0-2.8	<b>260 nm</b> <b>2.3</b>
Water Content	≤ 6%	<b>3.9%</b>
pH (10% aq soln)	7.5 - 9.5	<b>8.22</b>

Approved - 05/29/2001 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

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<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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)