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## Certificate of Analysis

**Product Description:** beta-Nicotinamide Adenine Dinucleotide Reduced Disodium Salt  
**Catalog Number:** 160050  
**Lot:** R25235

**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%	98%
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS (water): □ max OD260/OD340	258 - 260 nm 2.0 - 2.8	260 nm 2.27
Water Content	≤9%	6.8%
pH (10% aq soln)	7.5 - 9.5	7.80

NADH: 85.4%

Sodium: 5.7%

A250/A260: 0.81

A280/A260: 0.23

12/03/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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

