



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** beta-Nicotinamide Adenine Dinucleotide Reduced Disodium Salt  
**Catalog Number:** 160050  
**Lot:** 8236KA

**Formula:**  $C_{21}H_{27}N_7O_{14}P_2Na_2$   
**CAS #:** 606-68-8  
**Physical Description:** Off-white Powder

**Formula Weight:** 709.4  
**Storage:** -0°C, desiccate, protect from light, store under nitrogen

Purity: 98.2%  
NADH: 86.2%  
Sodium: 5.7%  
Water Content: 6.6%  
Spectral Analysis:  
-- e (260 nm, pH 10):  $14.3 \times 10^3$  L/mole/cm  
-- e (340 nm, pH 10):  $6.3 \times 10^3$  L/mole/cm  
-- A250/A260: 0.81  
-- A280/A260: 0.24  
-- A340/A260: 0.44

*Christina Marotta*

09/13/2010 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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