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## Certificate of Analysis

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

**Catalog Number:** 160050

**Lot:** QR15518

**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:** -20°C, desiccate, protect from light, store under nitrogen

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.9%
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS (water): □ max OD260/OD340	258 - 260 nm 2.0 - 2.8	259.79 2.31
Water Content	≤9%	5.8%

pH (10% aq soln): 10.14

NADH Contents: 87.8%

Sodium Contents: 6.4%

Recommened Retest Date: 02/16/2020

05/03/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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