

## Certificate of Quality

**Product Name:** NAD

B-Nicotinamide Adenine Dinucleotide. Maximum absorption wave length: 260nm.

Product Code: A3401 CAS #: 53-84-9  
Grade: High Purity Formula: C<sub>21</sub>H<sub>27</sub>O<sub>14</sub>N<sub>7</sub>P<sub>2</sub>  
Appearance: White to yellowish lyophilized powder MW: 663.42  
Reassay Date: 2 years after shipping date Lot#: See product label  
Storage: -20°C. Protect from moisture. Allow to come to room temperature before opening, avoid freeze-thaw cycles.

TEST	SPECIFICATION	RESULT
Purity (HPLC)	≥ 98%	Passes
Purity (ADH enzymatic activity analysis)	≥ 98%	Passes
NAD Content (dry basis)	≥ 90%	Passes
Water	≤ 8%	Passes
Sodium	≤ 1%	Passes
Heavy Metals (as Pb)	≤ 10 ppm	Passes
pH (Water, 10 mg/ml)	2.0-4.0	Passes
A250/A260	0.83±0.03	Passes
A280/A260	0.21±0.02	Passes
A340/A260	0.43±0.02	Passes

Data Verified by M. He.

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