

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:  **$\beta$ -Nicotinamide adenine dinucleotide (NAD)**  
Specifications & Purity: >98.0% (HPLC)  
SKU #: **N111610**

Parameter	Limit Values
Molar extinction coefficient(H <sub>2</sub> O, 260.0 nm)(calcd.on anh.sub	17000-18500
abs-ratio(2a/2b)(E280/E260)	0.19-0.23
Solvent Content	0-3 (%)
Water by Karl Fischer	0-8 (%)
Purity(HPLC)	98-100 (%)
abs-ratio(a/b)(E250/E260)	0.8-0.86
Appearance (N111610)	white to pale yellow Powder, Crystals and/or Chunk
Carbon NMR Spectrum	Conforms to Structure
Enzyme detection test	to pass test
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O	pass