



## Certificate of Analysis

### NADH Disodium Salt Trihydrate

**Catalog Number:** ND1010  
**Lot Number:** 0705704  
**CAS Number:** 606-68-8  
**Molecular Formula:**  $C_{21}H_{27}N_7Na_2O_{14}P_2 \cdot 3H_2O$   
**Molecular Weight:** 763.50  
**Storage:**  $\leq -20^{\circ}C$   
**Date of Assay:** May 28, 2017  
**Retest Date:** May 27, 2019

Test	Specification	Result
Purity (HPLC)	$\geq 98\%$	98.3%
NADH Content	Report	93%
Enzymatic Assay (ADH)	$\geq 98\%$	98.2%
Sodium Content	6.0 – 7.0%	6.4%
pH (100mg/mL)	7.5 – 9.0	8.03
Moisture	$\leq 5\%$	4.0%
Spectral Analysis		
1. $\epsilon$ @ 260nm, pH 10	$\geq 12.87 \times 10^3$ L/mol/cm	$13.6 \times 10^3$ L/mol/cm
2. $\epsilon$ @ 340nm, pH 10	$\geq 5.67 \times 10^3$ L/mol/cm	$5.99 \times 10^3$ L/mol/cm
3. Ratio @ pH 10		
A250/A260	0.79 – 0.85	0.80
A280/A260	0.21 – 0.25	0.23
A340/A260	0.41 – 0.43	0.42
Organic Solvents (GC)	$\leq 0.1\%$	Not detected

Approved by:

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