



Product Specification

β-NICOTINAMIDE ADENINE DINUCLEOTIDE DISODIUM SALT FOR BIOCHEMISTRY

PRODUCT CODE	168735
SYNONYMS	β-NADH, DPNH)
C.I. NO.	--
CASR NO.	(606-68-8)
ATOMIC OR MOLECULAR FORMULA	C₂₁H₂₇N₇O₁₄P₂Na₂
ATOMIC OR MOLECULAR WEIGHT	709.46

PROPERTIES

PARAMETER	LIMIT
Description	White to slightly yellowish amorphous powder.
Solubility	5% solution in water is clear ,colourless to slightly yellowish.
Minimum Assay (UV)	98.0%
NADH (enzyme.)	Min.84.0%
NADH (absorbance at 340 nm; ε = 6.3 [1 x mmol ⁻¹ x cm ⁻¹]	Min.84.0%
NADH (absorbance at 260 nm; ε = 14.3 [1 x mmol ⁻¹ x cm ⁻¹]	Min.85.0%
Reaction rates (LDH); based on standard sample dissolved freshly	95 – 105%
Absorbance Ratio	
A260/A340:	Max. 2.40
A260/A240:	1.57 – 2.17

MAXIMUM LIMIT OF IMPURITIES

AMP (enzyme.)	0.20%
Ethanol (GC)	4.0 %
NAD (enzyme.)	1.00%
Sodium (Na)	6.5 ± 0.5 %
Water (by KF)	6.0%

Note(s) : Assay (if applicable) method mentioned.**WARNING****Hazard statements** : Not hazardous. No hazards.**Precautionary statements****Prevention** : ----**Response** : ---**Disposal** : The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

IMDG Code :

UN No. :

IATA :

Hazard Pictogram(s) :