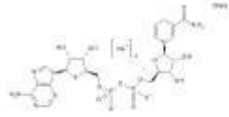






β-NICOTINAMIDE ADENINE DINUCLEOTIDE DISODIUM SALT FOR BIOCHEMISTRY

PRODUCT CODE	R08373	
SYNONYMS	β-NADH, DPNH)	
C.I. NO.	--	
CASR NO.	(606-68-8)	
ATOMIC OR MOLECULARFORMULA	C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂ Na ₂	
ATOMIC OR MOLECULARWEIGHT	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 (HPLC)	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		IMDG Code :
Hazard statements : Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention : ----		
Response : ---		
Disposal : The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.		
Hazard Pictogram(s) :		
 		
GHS05 GHS07		

Replace Date 1 April 2023

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