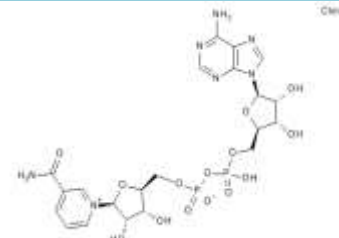


β-NICOTINAMIDE ADENINE DINUCLEOTIDE FOR BIOCHEMISTRY

PRODUCT CODE	168715
SYNONYMS	(β-NAD,DPN) (NAD free acid)
C.I. NO.	--
CASR NO.	(53-84-9)
ATOMIC OR MOLECULAR FORMULA	C₂₁H₂₇N₇O₁₄P₂
ATOMIC OR MOLECULAR WEIGHT	663.44
PROPERTIES	Very hygroscopic. Freely soluble in water without residue.



PARAMETER	LIMIT
Description	Colourless to slightly yellowish lyophilized substance.
Solubility	20% solution in water is clear,colourless to slightly yellowish.
Minimum Assay(UV)	98.0%
Absorbance (A) of 1% aq. solution (pH 7.0) in a 1cm cell @260 nm	255-270
Spectral Ratio	
A250/A260	~0.82
A280/A260	~0.21

MAXIMUM LIMIT OF IMPURITIES

Water (byK/F)	3.5%
Acetone (GC)	0.1%
AMP(enzyme)	0.1%
Ethanol(GC)	0.004%
Isopropanol (GC)	0.15%
Iron(Fe)	0.0025%
Methanol	0.15%

Note(s) :Assay (if applicable) method mentioned.

WARNING

Hazard statements :Nothazardous.Nohazards.

Precautionarystatements

Prevention:-----

Response:---

Disposal:Thechemical shouldbemixedcombustiblesolventandburntinachemicalincineratorequippedwith burnerandscriber.

Hazard Pictogram(s) :

IMDG Code :

UN No. :

IATA :

Replace date 24-Sep-21