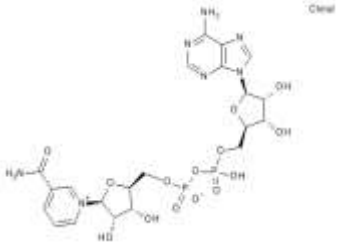
β-NICOTINAMIDE ADENINE DINUCLEOTIDE FOR BIOCHEMISTRY

PRODUCT CODE	**168715**
SYNONYMS	**(β-NAD,DPN) (NAD free acid)**
C.I. NO.	**--**
CASR NO.	**(53-84-9)**
ATOMIC OR MOLECULAR FORMULA	**$C_{21}H_{27}N_7O_{14}P_2$**
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 burnerandscrubber.

IMDG Code :
UN No. :
IATA :

Hazard Pictogram(s) :

Replace date 24-Sep-21