

Product:	β - NICOTINAMIDE-ADENINE DINUCLEOTIDE (NAD)	
Formulation:	Free Acid	
Catalogue No:	ND 626	
Formula:	$C_{21}H_{27}N_7O_{14}P_2$	
Molecular Weight:	663.4	
Specification:	β-NAD (Based on dry weight)	≥ 97.5%
	β-NAD (Enzymatic assay)	≥ 94.5%
	β-NAD (A 260nm)	≥ 94.5%
	NAD (HPLC)	≥ 95 area %
	Water (Karl Fischer)	≤ 3.5%
	Fe (AA)	≤ 25 ppm
	AMP (Enzymatic assay)	≤ 0.1%
	Ethanol (GC)	≤ 40 ppm
	Aceton, Isopropanol, Methanol(GC)	≤0.1%, ≤ 0.15%, ≤ 0.15%
	A_{250nm}/A_{260nm} A_{280nm}/A_{260nm}	0.81 – 0.85 0.20 – 0.24
Appearance:	White to slightly yellowish lyophilised powder	
Solubility:	Clear colourless to slightly yellowish solution in water (c=200mg/ml)	
Stability and Storage:	at least 12 months when desiccated and protected from light at +2°C to +8°C	