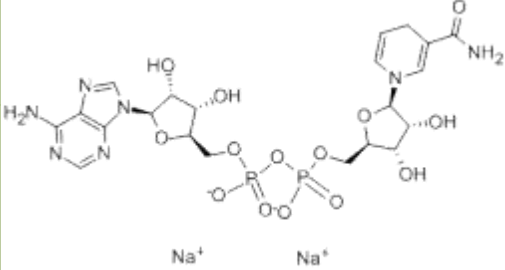




米克(武汉)生物科技有限公司

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CERTIFICATE OF ANALYSIS

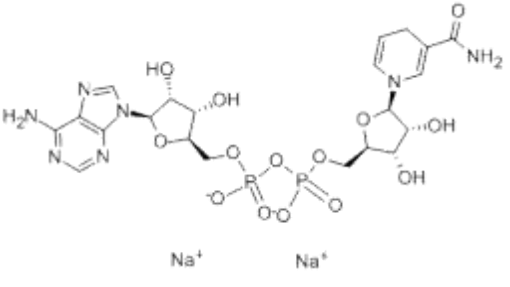
Product Name:	β -NADH		
Molecular Formula:	$C_{21}H_{27}N_7Na_2O_{14}P_2$		
Cas No.:	606-68-8	Quantity:	40kg
Manufacture Date:	2022.08.03	Batch No.:	MK-NADH-20220803
Report Date:	2022.08.11	Retest Date:	2024.08.02

Testing Items	Specifications	Results
Appearance	White to yellowish powder	Conforms
Identification	Conform with NMR	Conforms
Solubility	Soluble in water	Conforms
Na Content	$6.5 \pm 1\%$	6.31%
Water	$\leq 8.0\%$	2.28%
pH value in water (100mg/ml)	7.0-10.0	8.3
Purity (HPLC)	$\geq 95.0\%$	98.4%
Assay of β -NADH (enzyme) (on sodium-free and dry basis)	$\geq 90.0\%$	95.1%
Assay of β -NADH, Na ₂ (enzyme) (on dry basis)	$\geq 90.0\%$	94.2%
Heavy metal		
Lead(Pb)	$\leq 0.5\text{ppm}$	0.07ppm
Arsenic(As)	$\leq 0.5\text{ppm}$	0.04ppm



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Microbial		
Total microbial count	≤ 750 CFU/g	N.D
Coliform	< 30 MPN/g	N.D
Storage	Keep dry and away from light, Storage long term: below $-20^{\circ}C$, Short term: $2\sim 8^{\circ}C$	
Conclusion	This product conforms to the specifications.	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR:

