

## CERTIFICATE OF ANALYSIS

PRODUCT NAME :  $\beta$  -NMN

CAS: 1094-61-7

 $\beta$  - Nicotinamide Mononucleotide.FORMULA:C<sub>11</sub>H<sub>15</sub>N<sub>2</sub>O<sub>8</sub>P

MANUFACTURE DATE:20220321

EXPIRY DATE: 20240320

ANALYSIS DATE : 20220323

QUANTITY : 500.00kg

Maximum absorption wave length:260nm

Items	Specifications	Results
Appearance	White to yellowish Powder	Complies
Purity(HPLC)	$\geq 99\%$	99.9%
Sodium content(IC)	$\leq 1\%$	N.D
Water content(KF)	$\leq 5\%$	0.090%
PH value in water(100mg/ml)	2.0-4.0	3.17
Heavy metal content(AAS)		
Pb	$\leq 0.5\text{ppm}$	Complies
As	$\leq 0.5\text{ppm}$	Complies
Hg	$\leq 0.5\text{ppm}$	Complies
Cd	$\leq 0.5\text{ppm}$	Complies
Total microbial count(GB4789.2)	$\leq 750\text{CFU/g}$	N.D
Coliform(GB4789.3)	$<3\text{MPN/g}$	N.D
Ethanol(By GC)	$\leq 2\%$	0.012%
Escherichia coli.	Negative	Complies
Salmonella	Negative	Complies

Storage: Keep dry and away from light, long term storage at -25 °C to -15 °C.

Shelf Life: 24 months when properly stored.

