



**Certificate of Analysis**

Product name	$\beta$ -Nicotinamide Mononucleotide (NMN)		
Molecular formula	C <sub>11</sub> H <sub>15</sub> N <sub>2</sub> O <sub>8</sub> P		
Cas No.	1094-61-7	Batch No.	SW-NMN-20210905
Quantity	150kg	MFG. date	2021.09.05
Test date	2021.09.05	Retest. date	2023.09.05

Testing Items	Specifications	Results
Appearance	White to off-white powder	Conforms
Identification	Conform to the RT of Standard	Conforms
Purity (HPLC)	≥98.0%	99.8%
pH	2.0-4.0	2.9
Water content	≤5.0%	0.4%
Heavy Metal		
Pb	≤0.5ppm	N.D
As	≤0.5ppm	N.D
Cd	≤0.5ppm	0.01ppm
Hg	≤0.5ppm	N.D
Microbial limit		
Total microbial count	≤750CFU/g	80CFU/g
Coliform	≤3.0MPN/g	N.D
Ethanol (By GC)	≤5000ppm	220ppm
Conclusion	This product conforms to the specifications.	

<b>Packing description:</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage:</b>	Long-term storage is below 15 degrees below zero.
<b>Shelf life:</b>	2 years when properly stored

Quality Assurance Officer

Corrector

Analyst