ROOTS24

Certificate of Analysis
NMN

General Information			
Product Name:	β-Nicotinamide Mononucleotide	Processing Method:	Enzymatic Reaction
Formula :	C11H15N2O8P	CAS No. :	1094-61-7
Batch Number:	PC-NMN241213	Production Date:	2024.12.08

Item	Specification	Result	Method
Physical and Chemical Property			
Appearance	White Powder	Conforms	Visual
Particle Size	≥95% through 80 mesh	Conforms	Screening
Residue on Ignition	≤0.5g/100g	0.02g/100g	3g/550℃ /4hrs
Moisture content	≤1.0g/ 100g	0. 14g/ 100g	Karl-Fischer method
Bulk Density	0.2-0.4g/ml	0.27g/ml	Average Bulk Density
Identification	Consistent with the control map	Conforms	IR
PH	2.5-4.5	Conforms	4.29
Purity	≥99%	99.90%	HPLC
Residue Analysis			
Ethanol Solvent Residue	≤5000mg/kg	Conforms	GC
Lead (Pb)	≤0.50mg/kg	Conforms	ICP-MS
Arsenic (As)	≤0.50mg/kg	Conforms	ICP-MS
Cadmium (Cd)	≤0.50mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤0.10mg/kg	Conforms	ICP-MS
Microbiological Tests			
Total Plate Count	≤1000cfu/g	50cfu/g	AOAC 990.12
Total Yeast & Mold	≤100cfu/g	10cfu/g	AOAC 997.02
E.Coli.	Negative/10g	Conforms	AOAC 991.14
Salmonella	Negative/10g	Conforms	AOAC 998.09
S.aureus	Negative/10g	Conforms	AOAC 2003.07