

General Information

Product Name:	β -Nicotinamide Mononucleotide	Processing Method:	Enzymatic Reaction
Formula :	C11H15N2O8P	CAS No. :	1094-61-7
Batch Number:	PC-NMN231213	Production Date:	2023.12.08

Item	Specification	Result	Method
Physical and Chemical Property			
Appearance	White Powder	Conforms	Visual
Particle Size	$\geq 95\%$ through 80 mesh	Conforms	Screening
Residue on Ignition	$\leq 0.5\text{g}/100\text{g}$	0.02g/100g	3g/550°C /4hrs
Moisture content	$\leq 1.0\text{g}/100\text{g}$	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	$\geq 99\%$	99.90%	HPLC

Residue Analysis

Ethanol Solvent Residue	$\leq 5000\text{mg}/\text{kg}$	Conforms	GC
Lead (Pb)	$\leq 0.50\text{mg}/\text{kg}$	Conforms	ICP-MS
Arsenic (As)	$\leq 0.50\text{mg}/\text{kg}$	Conforms	ICP-MS
Cadmium (Cd)	$\leq 0.50\text{mg}/\text{kg}$	Conforms	ICP-MS
Mercury (Hg)	$\leq 0.10\text{mg}/\text{kg}$	Conforms	ICP-MS

Microbiological Tests

Total Plate Count	$\leq 1000\text{cfu}/\text{g}$	50cfu/g	AOAC 990.12
Total Yeast & Mold	$\leq 100\text{cfu}/\text{g}$	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