



BOTANICAL CUBE INC.

CERTIFICATE OF ANALYSIS

Product Name	β -Nicotinamide Mononucleotide	Quantity	520 kg
Assay	$\geq 99\%$	Batch Number	BCI260108NMN99
MFG. Date	2026.01.08	Expiry Date	2028.1.07
Report Date	2026.01.13	Shelf time	2 Years

ITEM	SPECIFICATION	RESULT	TEST METHOD
Physical Description			
Appearance	White or off-white powder	Conforms	Visual
Odor	Unique smell of NMN	Conforms	Organoleptic
Taste	Unique taste of NMN	Conforms	Olfactory
Bulk Density	Slack Density	0.61 g/ml	USP616
	Tight Density	0.77 g/ml	USP616
Chemical Tests			
Purity	$\geq 99.4\%$	99.7%	HPLC
Assay(dry basis)	$\geq 99\%$	99.2%	HPLC
PH	3-4	3.2	Enterprise standards
Ethanol	$\leq 0.05\%$	0.02%	GC
Loss on drying	$\leq 0.5\%$	0.2%	CP2020(105°C , 4h)
Heavy Metals			
Pb	$\leq 0.1\text{ppm}$	Conforms	CP2020
As	$\leq 0.1\text{ppm}$	Conforms	CP2020
Hg	$\leq 0.1\text{ppm}$	Conforms	CP2020
Cd	$\leq 0.1\text{ppm}$	Conforms	CP2020
Microbiology Control			
Aerobic Bacterial Count	$\leq 1,000\text{CFU/g}$	Conforms	GB4789.2
Yeast	$\leq 100\text{CFU/g}$	Conforms	GB4789. 15
Mold	$\leq 100\text{CFU/g}$	Conforms	GB4789. 15
Escherichia Coli	Not Detected	Conforms	GB4789.38
Salmonella	Not Detected	Conforms	GB4789.4
Staphylococcus Aureus	Not Detected	Conforms	GB4789.10
Conclusion	Conforms to Specification		

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months when properly stored. **Status:** Natural; Non-Irradiation.

Inspector: Dan Liu **Reviewer:** Fei Wang **Auditor:** Jinping Zhang

