江西兄弟医药有限公司
JIANGXI BROTHER PHARMACEUTICAL CO.，LTD.

CERTIFICATE OF ANALYSIS

No. 0352

Product Name	Nicotinamide	**Manufacture Date**	Jun.03,2026
Batch No.	NM2606003	**Analysis Date**	Jun.05,2026
Lot Size	3000kg	**Expiry Date**	Jun.02,2029
Executive Standard	USP2026	**Order No.**	——

Analysis Item	Unit	Specification	Test Method	Result
Appearance	——	White, crystalline powder	Eyeballing	White crystalline powder
Solubility	——	Freely soluble in water and alcohol;soluble in glycerin	Weight/volume method	Conform
Ultraviolet absorption	——	0.63-0.67 （A245/A262）	UV	0.65
Infrared Identification	——	Conform to standard spectrum	IR	Conform
Assay of Nicotinamide	%	98.5-101.5	HPLC	99.9
Melting range	℃	128-131	Melting point apparatus	129.0-129.5
Readily carbonizable substances	——	Not deeper than the Matching fluid A	Colorimetry	Conform
Loss on Drying	%	≤0.5	Drying method	0.01
Residue on ignition	%	≤0.1	Combustion method	0.03
Mercury *	ppm	≤0.1	ICP-MS	＜0.01
Lead *	ppm	≤2.0	ICP-MS	＜0.005
Arsenic *	ppm	≤1.0	ICP-MS	＜0.01
Cadmium *	ppm	≤1.0	ICP-MS	＜0.01
Total Plate Count *	cfu/g	$\leqslant 10^3$	Plating	＜10
Yeast & Molds *	cfu/g	$\leqslant 10^2$	Plating	＜10
E. Coli *	cfu/g	Negative	Plating	Negative
Salmonella *	/25g	Negative	Plating	Negative

Conclusion: Complies with the requirements of USP2026.

Note: The items marked with * are for internal sampling inspection, in which the results of hazardous elements are from the external inspection report, and the results of other items are from internal inspection.

QUALITY MANAGER: yuan yong

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