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江西兄弟医药有限公司

JIANGXI BROTHER PHARMACEUTICAL CO., LTD.

CERTIFICATE OF ANALYSIS

No. 0391

Product Name	Nicotinamide	Manufacture Date	May.24,2021
Batch No.	NM2105069	Analysis Date	May.26,2021
Lot Size	10000kg	Expiry Date	May.23,2024
Executive Standard	USP 43	Order No.	—

Analysis Item	Unit	Specification	Test Method	Result
Ultraviolet absorption *	—	0.63-0.67 (A245/A262)	UV	0.65
Infrared Identification *	—	Conform to standard spectrum	IR	Conform
Assay	%	98.5-101.5	HPLC	99.8
Melting range	°C	128-131	Melting point apparatus	130.0-130.5
Readily carbonizable substances	—	Not deeper than the Matching fluid A	Colorimetry	Conform
Loss on Drying	%	≤0.5	Drying method	0.03
Residue on ignition	%	≤0.1	Combustion method	0.06
Heavy metals (Pb) *	ppm	≤20	Colorimetry	<20
Mercury *	ppm	≤0.1	AFS	<0.005
Lead *	ppm	≤2.0	AAS	<0.05
Arsenic *	ppm	≤1.0	AFS	<0.1
Cadmium *	ppm	≤1.0	AAS	<0.01
Total Plate Count *	cfu/g	≤10 <sup>3</sup>	Plating	<10
Yeast & Molds *	cfu/g	≤10 <sup>2</sup>	Plating	<10
E. Coli *	cfu/g	Negative	Plating	Negative
Salmonella *	/25g	Negative	Plating	Negative

Conclusion: Complies with the requirements of USP 43.

Note: The items labelled with \* are tested at regular intervals.

QUALITY MANAGER: *Wei sheng*

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