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CERTIFICATE OF ANALYSIS

Product Name		Nicotinamide	Manufacturing Date	2024.7.7
Package		25kgs Per Carton	Expiry Date	2026.7.6
Batch No.		ES20240707	Analysis Date	2024.7.15
Analysis Items		Specifications		Results
Items		Bp2018	Usp41	
Appearance		White Crystalline Powder	White Crystalline Powder	Complies
Solubility		Free Soluble In Water And In Ethanol, Slightly Soluble In Methylene Chloride	/	Complies
Identification	Melting Point	128.0°C~ 131.0°C	128.0°C~ 131.0°C	129.2°C~ 129.3°C
	Ir Test	The Ir Absorption Spectrum Is Concordant With The Spectrum Obtained With Nicotinamide Crs.	The Ir Absorption Spectrum Is Concordant With The Spectrum Of Reference Standard.	/
	Uv Test		Ratio: a245/a262, Between 0.63 And 0.67	
Appearance Of 5%w/v Solution		Not More Intensely Coloured Than Reference Solution By7	/	Complies
PH Of 5% w/v Solution		6.0~7.5	/	6.73
Loss On Drying		≤ 0.5%	≤ 0.5%	0.26%
Residue On Ignition		≤ 0.1%	≤ 0.1%	0.04%
Heavy Metals		≤ 30 Ppm	/	< 20ppm
Assay		99.0%~ 101.0%	98.5%~ 101.5%	99.45%
Related Substances		Test As Per Bp2018		Complies
Readily Carbonizable Substances		/	Test As Per Usp41	/
Conclusion		Up To Usp41 And Bp2018 Standards		

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