

**CERTIFICATE OF ANALYSIS**

Product Name	Nicotinamide	Batch No.	JL20250325
CAS	98-92-0	MF Date	MAR.25,2025
Packing	25kg/bag	Analysis Date	MAR.25,2025
Quantity	3000kg	Expiry Date	MAR.24,2028
ITEM	STANDARD		RESULT
Appearance	White granule or crystalline powder, odourless or almost odourless		White granule, odourless
Melting point °C	128-131		129.4-130.8
Absorption coefficient (261nm)	417-443		427
Color reaction	Pass the test		Pass the test
Ultraviolet absorption	Max absorption at 261nm, Minimum absorption at 245nm and the A245/A261 is 0.63-0.67		Max absorption at 261nm, Minimum absorption at 245nm and the A245/A261 is 0.66
Infrared absorption	The test sample atlas shall be consistent with the standard sample Atlas		Consistent with the standard atlas
PH(100g/L)	6.0-7.5		6.8
Clarity and color of solution	The solution should be clarified , If the color is lighter than the BY7 standard control solution		Pass the test
Carbonizable substances	Pass the test		Pass the test
Related substances	Pass the test		Pass the test
Loss on Drying %	≤0.5		0.17
Ignition Residue %	≤0.1		0.01
Assay (C₆ H₆ N₂O) %	≥99.0		99.8
Niacin mg/kg	≤100		54
Heavy metal(Pb) mg/kg	≤2		<2
Chloride mg/kg	≤70		<70
Sulfate mg/kg	≤190		<190
Conclusion	Qualified		

Analyst: *Wen Qian*Quality Assurance Officer: *Zhan Peng*