

CERTIFICATE OF ANALYSIS

Niacinamide Powder - Cosmetic / Pharmaceutical Raw Material Grade

Product Name	Niacinamide Powder	Batch No.	NIA-2506-25KG
INCI Name	Niacinamide	CAS No.	98-92-0
Molecular Formula	C6H6N2O	Molecular Weight	122.12 g/mol
Manufacturing Date	2026-06-01	Retest/Expiry Date	2028-05-31
Package	25 kg / fiber drum	Country of Origin	China

Analysis Results

Test Item	Specification	Result	Method
Appearance	White crystalline powder	Complies	Visual
Identification	Positive reaction / IR conforms	Complies	USP / IR
Assay (on dried basis)	99.0% - 101.0%	99.72%	HPLC
Melting Point	128.0 - 131.0 C	129.4 C	USP
pH (5% aqueous solution)	6.0 - 7.5	6.68	USP
Loss on Drying	NMT 0.5%	0.18%	USP
Residue on Ignition	NMT 0.1%	0.04%	USP
Heavy Metals	NMT 20 ppm	<10 ppm	ICP-MS
Lead (Pb)	NMT 2 ppm	<1 ppm	ICP-MS
Arsenic (As)	NMT 2 ppm	<1 ppm	ICP-MS
Mercury (Hg)	NMT 1 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	NMT 1 ppm	<0.1 ppm	ICP-MS
Total Plate Count	NMT 1,000 cfu/g	<100 cfu/g	USP <61>
Yeast & Mold	NMT 100 cfu/g	<10 cfu/g	USP <61>
E. coli	Negative / g	Negative	USP <62>
Salmonella	Negative / 10 g	Negative	USP <62>
Staphylococcus aureus	Negative / g	Negative	USP <62>

Conclusion

The above batch complies with the stated specifications for Niacinamide Powder. This certificate is issued based on representative sample testing and is intended as an editable official-style template for documentation purposes.

Storage	Store in a cool, dry and well-ventilated place. Keep container tightly closed and protected from light and moisture.
Shelf Life	24 months when stored under recommended conditions in the original sealed packaging.
Prepared By	Quality Control Department
Approved By	QA Manager

QC Signature / Stamp		QA Signature / Stamp	
Date	2026-06-14	Document No.	COA-NIA-25KG-001

Note: Replace company name, logo, batch details, dates, and authorized signatures before official use.