



Certificate of Analysis

Product Name:	Vitamin B3 (Niacinamide)	Batch Number:	Varies
CAS No.	98-92-0	Manufacture Date:	Varies
Molecular Formula:	C ₆ H ₆ N ₂ O	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		98.5 - 101.5%	98.69 - 99.5%
Physical	Appearance	White crystalline powder	Complies
	Melting point	128 - 131°C	129 - 130°C
	Solubility	Freely soluble in water or ethanol and alcohol, soluble in glycerin	Complies
	Loss on drying	≤ 0.5%	0.1 - 0.46%
	Residue on ignition	≤ 0.1%	0.05%
	Readily carbonizable	No more color than matching Fluid A	Complies
Chemical	Heavy metals	≤ 30 ppm	Complies
	Chloride	≤ 200 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
	Lead (Pb)	≤ 2 ppm	Complies
	Arsenic (As)	≤ 1 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
Microbial	Total plate count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

