

CERTIFICATE OF ANALYSIS

Product Name: Niacinamide

INCI Name: Vitamin B3

Lot No: BPCSOWA052023

Best Before: May 2026

Origin: China

TEST ITEM SPECIFICATION RESULT METHOD

Identification Positive Complies IR & UV
Appearance White Crystalline Powder Complies Visual
Melting Range 128°C - 131°C 129°C - 130°C USP
Loss on Drying NMT 0.5% 0.13% USP
Residue on Ignition NMT 0.1% 0.06% USP
Readily Carburizable Substances NMT Matching Fluid A Complies USP
Bulk Density Report Only 0.4847g/ml In House
Tapped Density Report Only 0.6258g/ml In House
Mesh Size Report Only 99.5% thru 60 Mesh 60 Mesh Sieve
Assay (Dry Basis) 98.5% - 101.5% 99.5% USP

HEAVY METALS ANALYSIS

Total Heavy Metals NMT 10ppm < 10ppm Colorimetry
Lead NMT 1ppm Not Detected AAS
Arsenic NMT 1ppm 0.100ppm Arsenic Stain
Mercury NMT 1ppm 0.191ppm AFS
Cadmium NMT 1ppm Not Detected AAS

MICROBIOLOGICAL ANALYSIS

Total Plate Count NMT 1,000cfu/g 47cfu/g CPM II AOAC
Yeast & Mold NMT 100cfu/g <10cfu/g CPM II AOAC
Coliforms NMT 1,000cfu/g < 10cfu/g CPM II AOAC
E. Coli Negative Absent CPM II AOAC
Salmonella Negative Absent CPM II AOAC
Staph. Aureus Negative Absent CPM II AOAC

For longer shelf life keep it away from direct light, heat and moisture

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