

**Product:** Niacinamide

**Lot/Batch Number:** NCMD221025

**Retest Date:** October, 2024

**Manufacture Date:** October, 2021

**Commercial Expiry:** N/A

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance @ 20°C	Crystalline Powder	PASS
Colour	White	PASS
Identity (UV)	0.63 – 0.67	0.66
Identity (NaOH)	Corresponds	Conforms
Identity (IR)	Corresponds	Conforms
Assay (HPLC) %	99.0 – 101.0	99.3
Heavy Metals (as Pb)	≤ 20	< 20
Lead	≤ 2	< 0
Chloride (limit test) ppm	≤ 70.0	< 70
Sulfate (limit test) ppm	≤ 190	< 190
Readily Carbonized Substances (USP)	Matching Fluid A	Conforms
pH (5g/100ml water)	6.0 – 7.5	6.6
Loss on Drying %	≤ 0.5 Max.	0.0
Residual Solvents	Meets USP Req	Conforms
Melting Range: Start Point °C	128 – 131	129.1
Melting Range: End Point °C	128 – 131	129.4
Particle Size Fraction (50 microns)	≥ 90.0	100
Particle Size Fraction (250 microns)	≤ 8% on 60 mesh	2
Residue on Ignition %	≤ 0.100	< 0.05

Shelf-life & Storage: Expiry from the date of manufacture is only if stored under dry, ambient conditions in a sealed container away from direct light.

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