

Lotioncrafter

48 Hope Ln

Eastsound, WA 98245

Tel: 360-376-8008

Specification Sheet

Vitamin B3, Niacinamide

CAS No. 98-92-0

Items	Specifications
Appearance	Crystalline Powder
Color	White
Assay (HPLC), % w/w	99.0 – 101.0
Nicotinic acid (HPLC), % w/w	≤ 0.10
3-Cyanopyridine (HPLC), % w/w	≤ 0.10
Greatest Unknown Impurity (HPLC), % w/w	≤ 0.10
Total Impurities (HPLC), % w/w	≤ 0.2
pH (5g/100ml water)	6.0 – 7.5
Clarity of solution (5g/100ml water), NTU	≤ 3
L (Color Measurement)	90 – 101
A (Color Measurement)	-10 – 10
B (Color Measurement)	-10 – 10
BY (Color Measurement) (5g/100ml water, calc.)	≥ 7
Melting Range, beginning, °C	128 – 131
Melting Range, end, °C	128 – 131
Particle Size Fraction (250 microns)	≤ 8% on 60 Mesh

Particle Size Fraction (50 microns)	≥ 90.0
Residue on Ignition (2h, 600C, USP/EP), % w/w	≤ 0.100
Heavy Metals (USP method II), ppm	≤ 20.0
Chloride (limit test JP), ppm	≤ 70.0
Sulfate (limit test JP), ppm	≤ 190.0
Readily carbonizable substances (USP)	Matching Fluid A
Residual Solvents	Meets USP Req.
Related Substances	Meets USP Req.
Identification (UV A245/A262 ratio, USP)	0.63 – 0.67
Identification (NaOH, JP)	Corresponds
Identification (IR, USP/EP/JP)	Corresponds
Loss on drying, % w/w	< 0.5

The product meets all requirements of the following valid compendia when tested accordingly:
Ph.Eur. + USP + FCC.

Country of Origin: China

Manufacturer: Lonza

Shelf-life & Storage: 3 years from the date of manufacture, if stored in a cool, dry place in a sealed container.