



## Specification

### Niacinamide USP

<b>Catalog Number:</b>	NC1006
<b>CAS Number:</b>	98-92-0
<b>Synonym(s):</b>	Nicotinamide, Nicotinic acid amide, Pyridine-3-carboxylic acid amide, Vitamin B <sub>3</sub>
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>6</sub> N <sub>2</sub> O
<b>Molecular Weight:</b>	122.12
<b>Storage:</b>	2°C – 8°C
<b>Retest Period:</b>	Three years from the date of manufacture.

Test	Specification
Appearance	White crystalline powder
Assay (Dried Basis)	98.5% to 101.5%
Identification <sup>1</sup> A: (FTIR) B: Absorbance (A245/A262)	To match reference spectra 0.63 – 0.67
Loss on Drying	≤ 0.5%
Melting Range	128° to 131°C
Readily Carbonizable Substances	To meet requirements
Residue on Ignition	≤ 0.1%
Heavy Metals	≤ 10 ppm
Arsenic	≤ 3ppm
Cadmium	≤ 1ppm
Lead	≤ 2ppm
Mercury	≤ 0.1ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	≤ 10cfu/g
<i>E. Coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staphylococcus Aureus</i>	Negative
This lot meets the specifications for USP38.	

Approved:

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