

## NIACINAMIDE

**Synonyms** Nicotinamide  
**CAS No.** 98-92-0  
**Molecular Formula** C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O  
**Molecular Weight** 122.12



S.No.	CHARACTERISTICS	SPECIFICATIONS	TEST METHOD
1	<b>Description</b>	White Crystals. Its solutions are neutral to litmus.	-
2	<b>Solubility</b>	Freely soluble in water and in alcohol. Soluble in Glycerin.	-
3	<b>Assay % w/w (On Dry Basis) (By HPLC)</b>	98.5 - 101.5%	As per USP 37
4	<b>Melting Range</b>	128 - 131 deg.C	As per USP 37
5	<b>Identification</b>		
	<b>a) Infrared absorption</b>	Infrared matches that of a similar preparation of USP Niacinamide RS	As per USP 37
	<b>b) U.V. Absorption</b>	Ultraviolet spectrum matches that of similar preparation of Niacinamide Reference Standard 0.63 ≤ A <sub>245</sub> /A <sub>262</sub> < 0.67	As per USP 37
6	<b>Loss on drying</b>	Not more than 0.5% w/w	As per USP 37
7	<b>Residue on ignition</b>	Not more than 0.1% w/w	As per USP 37
8	<b>Readily Carbonizable Substances</b>	To comply	As per USP 37
9	<b>Heavy metals (as Pb)</b>	Not more than 30 ppm	As per USP 37
10	<b>Particle Size (Granular grade)</b>	Min.98% thru' 20 mesh (ASTM) Max.10% thru' 140 mesh (ASTM)	As per ASTM sieves

**The product complies with official monograph of USP 37**

**Standard Packing** 20 Kg cartons  
**Application** Vitamin for use in Human food and pharmaceuticals  
 Vitamin for use in cosmetic formulations

*Prior to using our products please refer to the Material Safety Data Sheet*

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