

NIACINAMIDE

Synonyms Nicotinamide
CAS No. 98-92-0
Molecular Formula C₆H₆N₂O
Molecular Weight 122.12



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