

## NIACIN

**Synonyms**  
**CAS No.**  
**Molecular Formula**  
**Molecular Weight**

**Nicotinic Acid**  
**59-67-6**  
 $C_6H_5NO_2$   
**123.1**



| S.No. | CHARACTERISTICS                       | SPECIFICATIONS  | TEST METHOD        |
|-------|---------------------------------------|---|--------------------|
| 1     | <b>Description</b>                    | White Crystals or white Crystalline Powder.   | -                  |
| 2     | <b>Solubility</b>                     | Sparingly soluble in water, freely soluble in boiling water, in boiling alcohol and in solutions of alkali hydroxides & carbonates.<br>Practically insoluble in ether | -                  |
|       | <b>Assay % w/w (On Dry Basis)</b>     | 99 - 101%   | As per USP 37      |
| 3     | <b>Identification</b>                 |   | As per USP 37      |
|       | <b>a) Infrared absorption</b>         | Infrared matches that of a similar preparation of USP Niacin reference standard   | As per USP 37      |
|       | <b>b) U.V. Absorption</b>             | Ultraviolet spectrum matches that of similar preparation of USP Niacin reference standard. A237/A262, b/w 0.46 & 0.50   | As per USP 37      |
| 4     | <b>Loss on drying</b>                 | Not more than 1% w/w  | As per USP 37      |
| 5     | <b>Residue on ignition</b>            | Not more than 0.1% w/w  | As per USP 37      |
| 6     | <b>Chloride</b>                       | Not more than 200 ppm   | As per USP 37      |
| 7     | <b>Sulphate</b>                       | Not more than 200 ppm   | As per USP 37      |
| 8     | <b>Heavy metals</b>                   | Not more than 20 ppm  | As per USP 37      |
| 9     | <b>Ordinary impurities by TLC</b>     | To comply   | As per USP 37      |
| 10    | <b>Particle Size (Granular Grade)</b> | Min.98% thru' 20 mesh (ASTM)<br>Max.10% thru' 140 mesh (ASTM)   | As per ASTM sieves |

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

**Standard Packing**  
**Application**

**20 Kg cartons**  
 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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