

## 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. 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) 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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