



Specification

Niacin USP

Catalog Number: NC1005
CAS Number: 59-67-6
Molecular Formula: $C_6H_5NO_2$
Molecular Weight: 123.11
Storage: 15°C – 30°C
Retest Period: Five years from date of manufacture.

Test	Specification
Appearance	White crystals or crystalline powder
Assay (Dried Basis, HPLC)*	99.0% to 101.0%
Identification*	Positive
Melting Point	235°C - 239°C
Moisture (LOD)*	≤ 1.0%
Solubility (10mg/mL, with heat)	Sparingly soluble in water
pH	3.0 – 4.0
Impurities*	To meet the requirement
Residue on Ignition*	≤ 0.1%
Chloride*	≤ 0.02%
Sulfate*	≤ 0.02%
Heavy Metals*	≤ 20ppm
Arsenic	≤ 3ppm
Cadmium	≤ 1ppm
Lead	≤ 2ppm
Mercury	≤ 0.1ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliforms	Negative
<i>E. coli</i>	Negative
<i>Staphylococcus aureus</i>	Negative
<i>Salmonella</i>	Negative
*This product meets all of the specifications for the USP35 standard.	

Approved:

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