

TECHNICAL DATA SHEET

Nicotinic acid (Vitamin B3)

USP

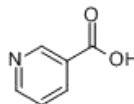
Chemical Properties

CAS No: 59-67-6;

EINECS No.: 200-441-0

Chemical Formula: C₆H₅NO₂

Molecular Weight: 123.11



Description

Nicotinic acids are derivatives of pyridine which have a carboxy group. It is dissolvable in boil water or boil ethanol, slightly dissolvable in water, hardly soluble in ethanol, freely soluble in carbonate solution or aqueous alkali.

Solubility

Freely soluble in water and in ethanol.

Specification

Item	Specification	Test Method
Appearance	White crystalline powder	Visual
Identification	Positive	USP
Assay	99.0%~101.0%	USP
Loss on drying	Max 1.0%	USP
Residue on Ignition	Max 0.1%	USP
Chloride	Max 0.02%	USP
Sulfate	Max 0.02%	USP
Heavy metals	Max 20ppm	USP
Ordinary Impurity	Max 2.0%	USP
Total Plate Count	Max 1000cfu/g	USP
Molds& Yeasts	Max 100cfu/g	USP
<i>E. Coil</i>	Negative	USP
<i>Salmonella</i>	Negative	USP

Ingredients

PureNicotinic acid

Labeling

In the United States and the European Union: Nicotinic acid (Vitamin B3)

Applications

Niacin belongs to the Vitamin B, participating in metabolism in the body, can be used to prevent pellagra or other niacin deficiency disease. It is also used in medicine, feedstuff and electroplate field.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Packaging, Storage & Shelf Life

Package	25kgs/drum, with fiber can and polyethylene bag liner inside; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf life	3 years if sealed and stored properly.