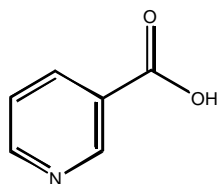


Product Information

Niacin USP

Formula: $C_6H_5NO_2$

Structural formula:



Molecular weight: 123.11

Synonyms

CAS: 3-Pyridinecarboxylic acid
CAS RN: 59-67-6
Other names: Nicotinic acid
Pyridine-3-carboxylic acid
German: Niacin
French: Niacine
Italian: Niacin

Applications

Intended for the manufacture of food additives and dietary supplements.

Vitamin B₃

Specifications

Appearance: Cristalline powder
Color: white
Identity: corresponds (IR and UV)
Assay: 99.5 – 100.3% (w/w) (titr.)
Melting temp.: 234.0 – 237.0°
(opt. transmission)
Loss on Drying: ≤0.20% (w/w) (1h, 105°C)
Residue on ignition: ≤0.10% (w/w) (USP)
Heavy metals: ≤20 mg/kg (as Pb)
Chloride: ≤200 mg/kg (limit test)
Sulfate: ≤200 mg/kg (limit test)
Related subst.: ≤0.5% (w/w) (TLC)
Ordinary impurities: ≤2.0% (w/w) (TLC)

Typical Properties

Stability: min. 3 years
Water solubility: 15 g/l (20°C)
Bulk density: 350 – 450 g/l

Handling

Packaging: bag-in-box 20 kg
Toxicity: LD50 oral (rat): > 5000 mg/kg
Skin irritation (rabbit): non-irritant
Mutagenicity: Ames-test negative

EU labelling: Xi; R36
Transport: not restricted
Inventories: EINECS (EU)
TSCA (US)
MITI (Japan)
Swiss Poison List 1 (Substances)
DSL (Canada)
AICS (Australia)
IESCS (China)
KECI (Korea)
PICCS (Philippines)

For further information consult Safety Data Sheet

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information. No statement is intended or should be construed as a recommendation to infringe any existing patent.