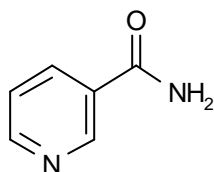


Product Information

Niacinamide USP

Formula: $C_6H_6N_2O$

Structural formula:



Molecular weight: 122.13

Synonyms

CAS: 3-Pyridinecarboxamide
CAS RN: 98-92-0
Other names: Nicotinamide, Nicotinic acid amide,
Pyridine 3-carboxylic acid amide,
Vitamin PP
German: Niacinamid USP
French: Niacinamide USP
Italian: Niacinamide USP

Applications

Intended for the manufacture of food additives and dietary supplements.

- Vitamin B₃
- No control of endotoxins, product is not for use in injectables

Specifications

Appearance: Crystalline granular powder
Color: white
Identity: corresponds (UV)
corresponds (NaOH)
Assay: 99.0 – 101.0% (w/w) (HPLC)
Heavy metals: ≤ 20 mg/kg (as Pb, limit test)
Chloride: ≤ 70 mg/kg (limit test)
Sulfate: ≤ 190 mg/kg (limit test)
Readily carbonizable
Substances (USP): passed
Related
Substances (EP): passed
Color values: L* 90.0 – 101.0
a* -10.0 – 10.0
b* -10.0 – 10.0
(CIELAB; light source C;
50mm, 5g/100ml water)
Color of solution: ≥ 7 (5g/100ml water) BY
Clarity of solution: ≤ 3.00 FTU (5g/100ml water)
pH-value: 6.0 - 7.5 (5 g/100 ml water)
Water: < 0.10% (w/w) (KF)
Melting temp.: 128.0 – 131.0°C (opt.transm.)
Sulfated ash: ≤ 0.10% (w/w) (2h, 700°C)

Conforms to the current requirements of EP, USP and FCC incl. organic volatile impurities (467). Identity IR corresponds.

Typical Properties

Stability: 3 years
Water solubility: 691 g/l (20°C)

Handling

Packaging: Bag-in-box 20 kg
Toxicity: LD50 oral (rat): 3530 mg/kg
Skin irritation (rabbit): non-irritant
Mutagenicity: Ames-test negative
EU labelling: Xi; R36
Transport: not restricted
Inventories: EINECS (EU)
TSCA (US)
AICS (Australia)
MITI (Japan)
Swiss Poison List 1 (Substances)

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.