

Folic Acid / Niacinamide

Water-soluble vitamins – B9 and B3

Product Description

Folic Acid (Vitamin B9) and Niacinamide (Nicotinamide / Vitamin B3) are essential water-soluble vitamins used in pharmaceutical and nutraceutical formulations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2936.22

CAS Number: Folic Acid: 59-30-3 / Niacinamide: 58-32-9

Classification: Pharmaceutical API / Nutraceutical

Parameter	Specification	Test Method
Appearance (Folic Acid)	Yellow to orange powder	Visual
Appearance (Niacinamide)	White crystalline powder	Visual
Assay Folic Acid	96.0–102.0%	HPLC
Assay Niacinamide	99.5–101.0%	HPLC
Melting Point (Niacinamide)	128–131°C	USP <741>
Loss on Drying (Folic Acid)	"d 8 . 5 %	USP <731>
Loss on Drying (Niacinamide)	"d 0 . 5 %	USP <731>
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: Yellow to orange powder (folic acid) / White crystalline powder (niacinamide)

Molecular Formula: Folic Acid: $C_{19}H_{19}N_7O_6$ / Niacinamide: $C_6H_6N_2O$

Molecular Weight: Folic Acid: 441.40 g/mol / Niacinamide: 122.12 g/mol

Solubility: Folic acid: slightly soluble in water; freely soluble in dilute alkali / Niacinamide: freely soluble in water

Melting Point: Folic acid: >250°C (decomp.) / Niacinamide: 128–131°C

Packing: 25 kg HDPE drums with inner polyethylene liner; 1 kg, 5 kg aluminium foil pouches

Storage: Store in a cool, dry, well-ventilated area away from light and moisture. Below 25°C.

Safety & Handling

PPE: Gloves, safety goggles, dust mask, lab coat

Hazards:

- Avoid dust inhalation
- Light-sensitive (folic acid)