

SPECIFICATION

Product Name: Folic Acid Food Grade
Chemical Formula: C ₁₉ H ₁₉ N ₇ O ₆
CAS Number: 59-30-3
Molecular Weight: 441.40 g/mol
Appearance: A yellow to yellowish-orange colour and crystalline powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification	%	Complies	A256/A365:2.80-3.00
Assay % - by HPLC	%	97.10%	95.0% - 102.0%
Loss on drying	%	8.05%	≤8.5%
Residue on ignition	%	0.27%	≤0.5%
Heavy metal	mg/kg	<10	≤10
Arsenic	mg/kg	<2	<2

Physical Properties

- Solubility: Soluble in water. Insoluble in ethanol. Insoluble in acetone. Insoluble in methanol. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed, light-resistant, moisture-resistant container in a cool, dry, and well-ventilated place, protected from moisture, excessive heat, direct sunlight, and contamination.

Applications

- Use: Widely used as a nutritional fortification ingredient in food, beverage, and nutraceutical products. It is essential for DNA synthesis, cell division, red blood cell formation, and normal fetal development.

- Dosage: Depends on the intended application, target population, and applicable regulatory requirements.

Packaging

- Standard Packing: 25 Kgs Fiber Drum or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.