Folic Acid

$C_{19}H_{19}N_7O_6$ · CAS 59-30-3 · Folic acid, crystalline

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Folic acid, crystalline	$C_{19}H_{19}N_7O_6$	59-30-3	97.0–102.0% (HPLC)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Folic acid specified at 97.0–102.0% on the anhydrous basis, for capsules and tablets where the folate form, the assay basis and the related-substance profile have to be declared.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (anhydrous basis)	97.0–102.0% (HPLC)	As stated
Appearance	Yellow to orange crystalline powder	As stated
Identification	IR and UV conform	As stated
Loss on drying	≤8.5%	As stated
Residue on ignition	≤0.3%	As stated
Related substances	≤2.0%	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Marker set	Folic acid (97.0–102.0%, anhydrous basis)	Identity
Solubility	Slightly soluble in water; soluble in dilute alkali. Protect from light.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Gummies and chews

AVAILABLE FORMS

- Crystalline powder, 80 mesh
- Milled to 100 mesh on request
- Granulated on request

PACKING

STORAGE

- 1 kg foil pouch
- 25 kg fiber drum

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

> **Catalog document.** This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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