Iron Pyrophosphate

$Fe_4(P_2O_7)_3 \cdot xH_2O$ · CAS 10058-44-3 · Micronized ferric pyrophosphate

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Micronized ferric pyrophosphate	$Fe_4(P_2O_7)_3 \cdot xH_2O$	10058-44-3	24.0–26.0% (ICP-OES)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
ICP-OES	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Micronized ferric pyrophosphate specified at 24.0–26.0% elemental iron, for capsules, tablets and powder blends where a less reactive iron source and a fine particle size matter.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Iron (Fe)	24.0–26.0% (ICP-OES)	As stated
Appearance	White to yellowish, fine powder	As stated
Identification	Iron and pyrophosphate reactions conform	As stated
Loss on drying	≤5.0%	As stated
Particle size	Micronized, ≥95% through 200 mesh	As stated
Bulk density	0.40–0.80 g/mL	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
Marker set	Iron (24.0–26.0%, ICP-OES)	Identity
Solubility	Practically insoluble in water; dispersible in a powder blend.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Functional beverages

AVAILABLE FORMS

- Micronized powder, 200 mesh
- 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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