



JIANGSU KHONOR CHEMICALS CO., LIMITED

TECHNICAL DATA SHEET

NAME	Ferric Pyrophosphate
CAS	10058-44-3
Molecular formula	Fe ₄ (P ₂ O ₇) ₃
Molecular weight	745.21
Appearance	Off-white powder
Test Standard	FCC V
Grade	Food / Pharma additive
Content (Fe) %	24.0-26.0
Loss on Ignition (1hour@800°C) % ≤	20.0
Heavy Metal (As Pb) % ≤	0.001
Lead % ≤	0.0004
Arsenic % ≤	0.0003
Hg % ≤	0.0003
Application	Iron supplement, metal fortifier in food or medicine.

1. Applications

- Food fortification (iron enrichment)
- Infant formula and dairy products
- Dietary supplements
- Pharmaceutical preparations
- Nutritional premixes
- Industrial chemical applications

2. Advantages

- High iron content with good stability
- Minimal sensory impact in food applications
- Suitable for dry blending and premix systems
- Low reactivity compared to soluble iron salts
- Widely accepted in food and pharmaceutical formulations

3. Packaging & Storage

3.1 Packaging:

25 kg fiber drum or carton with inner polyethylene bag

Customized packaging available upon request

4. Storage:

Store in a cool, dry, and well-ventilated area

Protect from moisture and direct sunlight

Keep container tightly closed

5. Regulatory Status

Food additive / nutritional ingredient (subject to local regulations)

Complies with major international food and pharmaceutical standards when produced accordingly

Not classified as a hazardous material for transportation

Suitable for export under standard chemical regulations

6. Shelf Life

24 months from date of manufacture when stored under recommended conditions

7. Disclaimer

The information provided in this Technical Data Sheet is based on typical data and is intended for reference only. Product specifications may vary depending on grade and customer requirements. Users are responsible for determining suitability for their specific application.