



TECHNICAL DATA SHEET

1. Product Information

- 1.1 Product Name: Ferric Hydrogen Phosphate
- 1.2 Chemical Formula: FeHPO_4
- 1.3 CAS Number: 10045- 86- 0
- 1.4 Grade: Food / Pharmaceutical / Industrial
- 1.5 Appearance: White to light yellow powder
- 1.6 Packaging: 25 kg Kraft paper bag or as requested
- 1.7 Storage: Store in a cool, dry place away from direct sunlight

2. Chemical & Physical Properties

- 2.1 Purity (FeHPO_4 , %): ≥ 98.0
- 2.2 Iron (Fe, %): 18–20
- 2.3 Phosphate (PO_4^{3-} , %): 22–24
- 2.4 pH (10% aq. solution): 4.5 – 6.0
- 2.5 Loss on Drying (%): ≤ 1.0
- 2.6 Residue on Ignition (%): ≤ 1.0
- 2.7 Water Insoluble Matter (%): ≤ 0.1
- 2.8 Heavy Metals (as Pb, %): ≤ 0.001
- 2.9 Arsenic (As, %): ≤ 0.0005
- 2.10 Color: White to light yellow

3. Applications

- 3.1 Food fortification (iron supplement)
- 3.2 Pharmaceutical preparations (iron source)
- 3.3 Nutritional supplements
- 3.4 Industrial functional material

4.Regulatory & Safety

- 4.1 Complies with relevant food and pharmaceutical regulations
- 4.2 Free from harmful heavy metals within specification limits
- 4.3 Handling precautions: Avoid inhalation of dust, use personal protective equipment as needed

5.Storage & Shelf Life

- 5.1 Shelf life: 2 years under recommended storage conditions
- 5.2 Keep container tightly closed, avoid moisture

6.Packaging Options

- 6.1 25 kg Kraft paper bag with PE liner
- 6.2 500 kg or 1000 kg jumbo bag optional
- 6.3 Custom packaging available upon request

7.Documents Available

- 7.1 COA (Certificate of Analysis)
- 7.2 MSDS (Material Safety Data Sheet)
- 7.3 TDS (Technical Data Sheet)