

Technical Data Sheet

LiposoMore® Liposomal Ferric Pyrophosphate (8% Iron)

LiposoMore® Liposomal Ferric Pyrophosphate is a premium, microencapsulated iron supplement ingredient designed for superior bioavailability and gentler gastrointestinal tolerance. Featuring 8% elemental iron, it is encapsulated within liposomes to enhance stability and absorption. Ideal for use in functional foods, beverages, and dietary supplements, this product delivers iron efficiently without the common side effects associated with traditional iron salts.

Product Details

Product Name: Liposomal Ferric Pyrophosphate

Brand: LiposoMore®

Iron Content: 8%

Appearance: Yellow to light brown fine powder

Solubility: Dispersible in water

Carrier: Sunflower lecithin or other food-grade phospholipids

Product Description

Liposomal Ferric Pyrophosphate is engineered through advanced liposomal encapsulation technology. The liposome structure surrounds iron molecules with a phospholipid bilayer, mimicking biological membranes for optimized delivery. This mechanism significantly improves iron absorption in the intestine while minimizing irritation or metallic aftertaste. It is suitable for various formulations, including powders, capsules, sachets, and liquid suspensions.

Specifications

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White to light yellow powder, free of peculiar smell, odor, corruption and mildew, and visible foreign impurities	Pass
Odor	Odorless	Pass
Solubility	Dispersible in water	Pass
Iron Purity	7%-9%	8.1%

Loss on Drying	≤10.0%	5.11%
Total Heavy Metal	≤10ppm(ICP-MS)	< 10ppm
Lead(Pb)	≤3ppm(ICP-MS)	< 3ppm
Mercury(Hg)	≤0.1ppm(ICP-MS)	< 0.1ppm
Cadmium(Cd)	≤1.0 ppm(ICP-MS)	< 1.0ppm
Arsenic(As)	≤1.0 ppm(ICP-MS)	< 1.0ppm
Total Plate Count	≤1000cfu/g(USP2021)	< 100 cfu/g
Molds & Yeasts	≤100cfu/g(USP2021)	< 10 cfu/g
E.Coli	Negative/gram(USP2022)	Negative
Salmonella	Negative in 25 gram(USP2022)	Negative
Staphylococcus Aureus	Negative in 25 gram	Negative

Applications

- Dietary Supplements (capsules, tablets, sachets)
- Functional Foods and Beverages
- Nutritional Powders
- Liquid Iron Formulations
- Maternal and Pediatric Nutrition Products

Packaging & Storage

Packaging: 1kg/aluminum foil bag, 10kg or 20kg per carton.

Storage: Store in a cool, dry place, away from direct sunlight.

Shelf Life: 24 months in original unopened packaging.

Contact Information

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