



Technical Data Sheet

Liposomal Ferric Pyrophosphate 8% Iron

Brand: LiposoMore®

Summary

Liposomal Ferric Pyrophosphate under the LiposoMore® brand is a next-generation iron ingredient specially developed for enhanced absorption and superior gastrointestinal tolerance. By encapsulating ferric pyrophosphate in liposomes, this formulation significantly improves iron bioavailability while minimizing common side effects such as nausea, constipation, or metallic taste. With an elemental iron content of 8%, this ingredient is ideal for use in premium dietary supplements targeting iron deficiency, especially in sensitive populations such as pregnant women, children, and individuals with chronic conditions.

Product Details

Product Name: Liposomal Ferric Pyrophosphate

Brand: LiposoMore®

Iron Content: 8% (Elemental Iron)

Appearance: Yellow to light brown powder

Solubility: Dispersible in water

Application: Dietary supplements, functional foods, beverage powders

Product Description

Liposomal Ferric Pyrophosphate is developed using advanced liposomal encapsulation technology that protects the iron core from degradation and unwanted interactions in the digestive system. The liposomal matrix facilitates targeted delivery and efficient transport of iron across intestinal walls. This makes the ingredient highly bioavailable, reducing the required dosage while enhancing efficacy. It is particularly useful in nutritional formulations aimed at improving hemoglobin levels and overall iron status without irritating the gastrointestinal tract.

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	Dispensible in water	Pass
Iron Purity	$\geq 10\%$	10.8%
Loss on Drying	$\leq 10.0\%$	6.0%
Total Heavy Metal	$\leq 10\text{ppm}(\text{ICP-MS})$	$< 10\text{ppm}$
Lead(Pb)	$\leq 3\text{ppm}(\text{ICP-MS})$	$< 3\text{ppm}$
Mercury(Hg)	$\leq 0.1\text{ppm}(\text{ICP-MS})$	$< 0.1\text{ppm}$
Cadmium(Cd)	$\leq 1.0 \text{ ppm}(\text{ICP-MS})$	$< 1.0\text{ppm}$
Arsenic(As)	$\leq 1.0 \text{ ppm}(\text{ICP-MS})$	$< 1.0\text{ppm}$
Total Plate Count	$\leq 1000\text{cfu/g}(\text{USP2021})$	$< 100 \text{ cfu/g}$
Molds & Yeasts	$\leq 100\text{cfu/g}(\text{USP2021})$	$< 10 \text{ cfu/g}$
E.Coli	Negative/gram(USP2022)	Negative
Salmonella	Negative in 25 gram(USP2022)	Negative
Staphylococcus Aureus	Negative in 25 gram	Negative

Packaging & Storage

Packaging: 1kg/aluminum foil bag, 10kg/carton or customized on request

Shelf Life: 24 months if unopened and stored in a cool, dry place

Storage: Keep in tightly sealed original packaging, away from heat, moisture and direct sunlight

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