

Technical Data Sheet

LiposoMore™ Liposomal Heme Iron Powder (9.6–14.4% Iron)

LiposoMore™ Liposomal Heme Iron is a premium iron supplement ingredient designed for superior bioavailability and gastrointestinal tolerance. Combining naturally sourced heme iron with advanced liposomal encapsulation, it ensures effective iron delivery and absorption while minimizing digestive discomfort. Standardized to contain 9.6–14.4% elemental iron, this ingredient is well suited for use in women's health, prenatal nutrition, and general iron-deficiency support supplements.

Product Details

Product Name: Liposomal Heme Iron Powder
Brand: LiposoMore™
Active Ingredient: Heme Iron (Encapsulated in Liposomes)
Iron Content: 9.6–14.4% (Elemental Iron, HPLC)
Appearance: Dark brown to reddish-brown powder
Form: Liposomal-encapsulated powder
Solubility: Water-dispersible
Shelf Life: 24 months when properly stored
Packaging: 1 kg/foil bag, 10 kg/carton

Product Description

Heme iron is the most bioavailable form of dietary iron, absorbed directly through heme transport mechanisms and unaffected by inhibitors like phytates. Liposomal encapsulation further enhances its absorption efficiency while reducing gastrointestinal irritation. LiposoMore™ Liposomal Heme Iron is designed for use in clean-label, high-efficacy iron supplements aimed at addressing iron deficiency anemia, especially in sensitive populations.

Specifications

Applications

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	Dispensable in water	Pass
Iron Purity	9.6-14.4%	11.8%
Loss on Drying	$\leq 10.0\%$	6.0%
Total Heavy Metal	$\leq 10\text{ppm(ICP-MS)}$	$< 10\text{ppm}$
Lead(Pb)	$\leq 3\text{ppm(ICP-MS)}$	$< 3\text{ppm}$
Mercury(Hg)	$\leq 0.1\text{ppm(ICP-MS)}$	$< 0.1\text{ppm}$
Cadmium(Cd)	$\leq 1.0 \text{ ppm(ICP-MS)}$	$< 1.0\text{ppm}$
Arsenic(As)	$\leq 1.0 \text{ ppm(ICP-MS)}$	$< 1.0\text{ppm}$
Total Plate Count	$\leq 1000\text{cfu/g(USP2021)}$	$< 100 \text{ cfu/g}$
Molds & Yeasts	$\leq 100\text{cfu/g(USP2021)}$	$< 10 \text{ cfu/g}$
E.Coli	Negative/gram(USP2022)	Negative
Salmonella	Negative in 25 gram(USP2022)	Negative
Staphylococcus Aureus	Negative in 25 gram	Negative

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- Iron supplements for women, athletes, and elderly
 - Prenatal and maternal health nutrition products
 - Functional foods and beverage powders
 - Multivitamin complexes targeting fatigue and anemia

Storage & Handling

Store in a tightly sealed container in a cool, dry place away from direct sunlight, moisture, and heat. Recommended storage temperature: 15–25°C. Handle in accordance with GMP standards.

Contact Information



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