



Technical Data Sheet

Liposomal L-Isoleucine – 68% Purity

Brand: LiposoMore®

Product Description

Liposomal L-Isoleucine by LiposoMore® is a premium-grade, liposome-encapsulated branched-chain amino acid (BCAA) with a purity of 68%. This ingredient is engineered to enhance the bioavailability and stability of L-Isoleucine through advanced liposomal delivery technology. It is particularly suitable for high-performance dietary supplement formulations targeting muscle recovery, energy metabolism, and endurance.

Product Details

- Product Name: Liposomal L-Isoleucine
- Brand: LiposoMore®
- Assay (Purity): 68% L-Isoleucine
- Appearance: Off-white to light yellow powder
- Solubility: Dispersible in water
- Delivery Form: Liposomal powder
- Shelf Life: 24 months when stored in a cool, dry place

Specification Sheet

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White to almost white particles and powders	Pass
Odor	Odorless	Pass
Solubility	Dispensable in water	Pass
Purity(L-Isoleucine)	68.0%	72.2%
Loss on Drying	≤2.0%	1.0%
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

Liposomal L-Isoleucine is widely used in sports nutrition, pre-workout and post-workout supplements, recovery formulations, and endurance boosters. Its enhanced delivery system makes it ideal for products targeting athletes, fitness enthusiasts, and individuals requiring rapid muscle regeneration.

Benefits

- Enhanced bioavailability due to liposomal encapsulation

- Efficient transport to muscle tissues for effective utilization
- Supports muscle repair and reduces post-exercise fatigue
- Contributes to energy production and lean muscle maintenance
- Stable formulation for diverse supplement formats including powders and capsules

Contact Information



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