

Technical Data Sheet

Product Name:

Liposomal L-Leucine 68%

Brand Name:

LiposoMore®

Product Description:

LiposoMore® Liposomal L-Leucine 68% is a high-performance, liposome-encapsulated amino acid ingredient designed to improve the bioavailability and absorption of L-Leucine in dietary supplement formulations. L-Leucine is a branched-chain amino acid (BCAA) essential for muscle protein synthesis, energy production, and muscle recovery. The liposomal delivery system enhances its stability and transport across the digestive tract, ensuring superior efficacy.

Specifications:

ITEMS	SPECIFICATIONS	RESULTS
Appearance	White to almost white particles and powders	Pass
Odor	Odorless	Pass
Solubility	Dispensable in water	Pass
Purity(L-Leucine)	68.0%	72.0%
Loss on Drying	≤2.0%	1.2%
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	$\leq 100\text{cfu/g(USP2021)}$	$< 10\text{ cfu/g}$
E.Coli	Negative/gram(USP2022)	Negative
Salmonella	Negative in 25 gram(USP2022)	Negative
Staphylococcus Aureus	Negative in 25 gram	Negative

Applications:

- Sports Nutrition: Enhances muscle recovery and supports lean muscle mass development in athletes.
- Medical Nutrition: Beneficial for patients requiring increased amino acid intake during recovery.
- Meal Replacement Powders: Improves the nutritional profile with targeted muscle-supporting amino acids.
- Functional Foods and Beverages: Suitable for incorporation in high-protein formulations.
- Capsules and Sachets: Convenient dosage forms for health and fitness markets.

Benefits:

- Enhanced Bioavailability: Liposomal encapsulation improves the intestinal absorption of L-Leucine.
- Superior Muscle Support: L-Leucine plays a critical role in triggering muscle protein synthesis.
- Fast Recovery: Helps reduce muscle breakdown and accelerates post-exercise recovery.
- Stable and Protected: Liposomes protect L-Leucine from degradation during digestion.
- Clean Label: Derived from natural sunflower lecithin with no artificial additives.
- Versatile Formulation: Compatible with a wide range of supplement formats.

Contact Information:



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