

# Technical Data Sheet

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**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	$\leq 100$ cfu/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:

- 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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