

VESTA NUTRA'S LIPOSOMAL FORMULATION OF NUTRITIONAL PRODUCTS

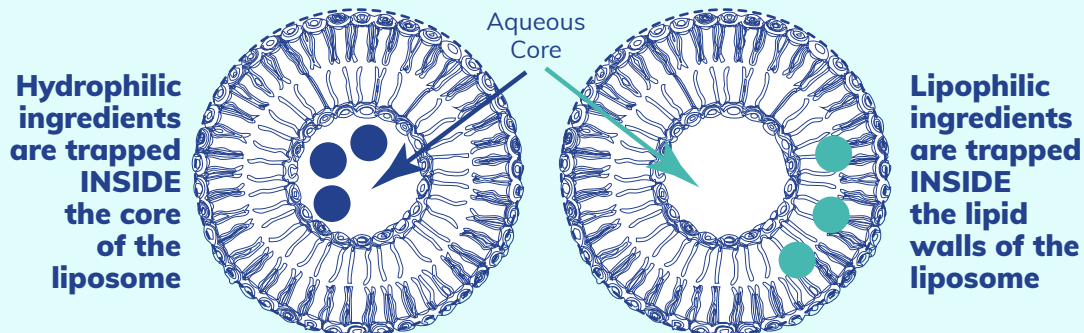
What are Liposomes?

Liposomes are microscopic, spherical vesicles composed of one or more phospholipid bilayers surrounding an aqueous core. They encapsulate both water-soluble and fat-soluble ingredients, enhancing stability, absorption, and targeted delivery.

LIPOSOMAL FORMULATION OF NUTRITIONAL PRODUCTS

Glutathione	CoQ10	Vitamin C	NMN	Zinc
Berberine	Hyaluronic Acid	Pearl Tomato®	LipoOrganiSil™	Magnesium
Iron	Vitamin B12	Collagen	Vitamin E	Custom Manufacturing

HOW IT WORKS



AVAILABLE IN:

CAPSULES • TABLETS • GUMMIES • BULK POWDERS • SACHETS/STICK PACKS

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

www.vestaingredients.com



Vesta®

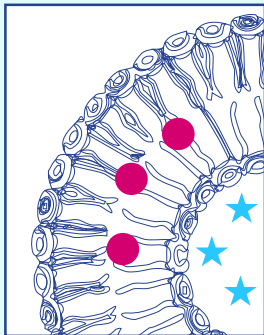
Vesta Ingredients, Inc.

NEW PRODUCTS INCLUDE LIPID-BASED NANOCARRIERS:

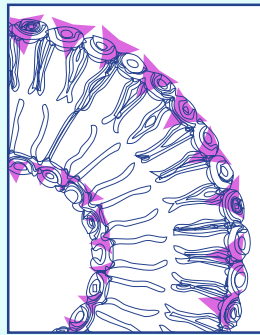
Nanoliposomes are (typically 20nm–100nm) versions of liposomes. They offer a higher surface-area-to-volume ratio, enhanced stability, and better penetration through biological barriers.

Phytosomes are advanced, lipid-based nanocarriers that complex natural plant extracts with phospholipids (like lecithin) to significantly enhance bioavailability, absorption, and stability. Supplements complex with the polar headgroup of the phospholipid. The active ingredients are an integral part of the membrane being stabilized thru hydrogen bonds to the polar head of the phospholipid.

LIPOSOME



PHYTOSOME



▼ Complex ● Lipophilic Drug ★ Hydrophobic Drug

ADVANTAGES

Stability

Long shelf life.

Soluble

Liposomal technology can enhance the solubility of active ingredients that are not inherently soluble in their natural form.

Powder formulation

No solvents.

Verification

Liposomal products verified by scientific data including cryo EM images.

Absorption

Higher absorption and greater cell uptake -compared to active ingredient Bioavailability is enhanced.

Nature Made

Pure ingredients no fillers no preservatives. Produced without the use of heat, pressure or chemicals.

Protection

Enables active ingredients to be absorbed by the body without degradation in the stomach.

LIPOQUEST™ PLATFORM DATA

- 1. Cryo-EM Imaging** Verifying liposome formation and size.
- 2. Percent Encapsulation** Centrifuge method- verifying the amount of active ingredient in the liposomes.
- 3. In Vitro Assay** Cell Permeability Assay- Measuring how much of active ingredients gets into the cell.



Vesta Nutra®

©2025-2026

Vesta Ingredients, Inc.
5767 Thunderbird Rd.
Indianapolis, IN, 46236, USA
Ph: (317) 895-9000,
(888)55VESTA
Fax: (317) 895-9340

marketing@vestaingredients.com
www.vestaingredients.com



Vesta®

Vesta Ingredients, Inc.