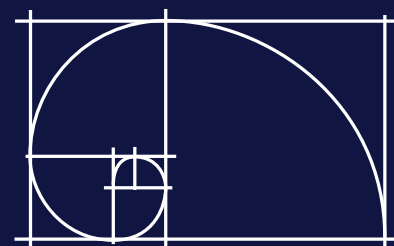




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PRODUCT INFORMATION

Liposomal Silicon

What is LipoOrganiSil™?

LipoOrganiSil™ is Vesta's proprietary formulation of a silicon (Si) supplement built upon our LipoQuest™ liposomal technology platform. LipoOrganiSil™ is designed to stabilize and deliver bioavailable dietary silicon. The precursor, mesoporous silica nanoparticles, converts to orthosilicic acid (OSA) — the only bioavailable form of dietary silicon — upon reaching the small intestine, providing systemic exposure to connective tissues.

LipoOrganiSil™ Benefits*

Silicon is necessary for collagen and elastin synthesis, which promotes connective tissue strength



Supports bone density and joint strength



Boosts nail strength and resilience



Boosts skin hydration, firmness, and elasticity



Supports hair strength and elasticity

Research Results and Preclinical Data:

Vesta's *in vitro* data show that, when compared to two products currently on the market, LipoOrganiSil™ excels in the total silicon delivered and the bioactive silicon available inside cells.

Vesta's *in vivo* study has demonstrated a similar result: oral administration of our product produced a measurable increase in plasma silicon levels in rats within hours.



*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

www.lipoorganisil.com



Vesta®



LipoOrganiSil™
Liposomal Silicon



Vesta Nutra

LipoOrganiSil's Mechanism of Action:

LipoOrganiSil™ addresses the challenges faced by other silicon supplements through a targeted, three-phase delivery sequence at the formulation level.

Phase 1: LipoOrganiSil™ is manufactured and stored as a dry powder “pro-liposome” with minimal moisture content, limiting premature hydrolysis and polymerization and ensuring maximum potency.

Phase 2: Upon ingestion, lipids spontaneously self-assemble into protective liposomes in the stomach. During liposome formation, the bilayer encapsulates the OSA precursor, shielding the MSN from the degrading acidic environment.

Phase 3: Upon reaching the small intestine, the liposomes fuse with the mucosal cell membrane, releasing their payloads. The precursor then gradually undergoes conversion, providing a steady supply of OSA. The OSA enters the bloodstream to reach target tissues, including skin, nails, hair, and bones.

LipoOrganiSil™ Specifications:

- Appearance: White to off-white crystalline powder
- Dose: 14 mg of elemental silicon / day
- Packaging: UV-protective bags
- Form: Bulk powder, suitable for capsules, tablets, and sachets
- Water dispersible

Advantages of LipoQuest™ LipoOrganiSil™:

- High bioavailability
- No stabilizer required
- Well-tolerated safety profile
- Extensive research profile

**Healthy Bones,
Tendons, Hair,
Skin, and Nails.**

Innovative products at a
competitive price™
SPECIALTY INGREDIENTS



cGMP-Certified



nongmoproject.org



Kosher Certified



Other LipoQuest™ Products:

- Liposomal Pearl Tomato®
- Liposomal Glutathione
- Liposomal Iron Bisglycinate



SCIENCE. QUALITY. TRUST.



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