

Why Serebelle™



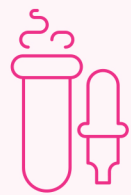
Human Trials



Multi-Benefit Support



Low Dose Efficacy



Easy Formulation



Strong Safety Profile



Life-Stage Versatility

APPLICATIONS



Capsules & Tablets



Gummies



Powders



RTDs



Functional foods

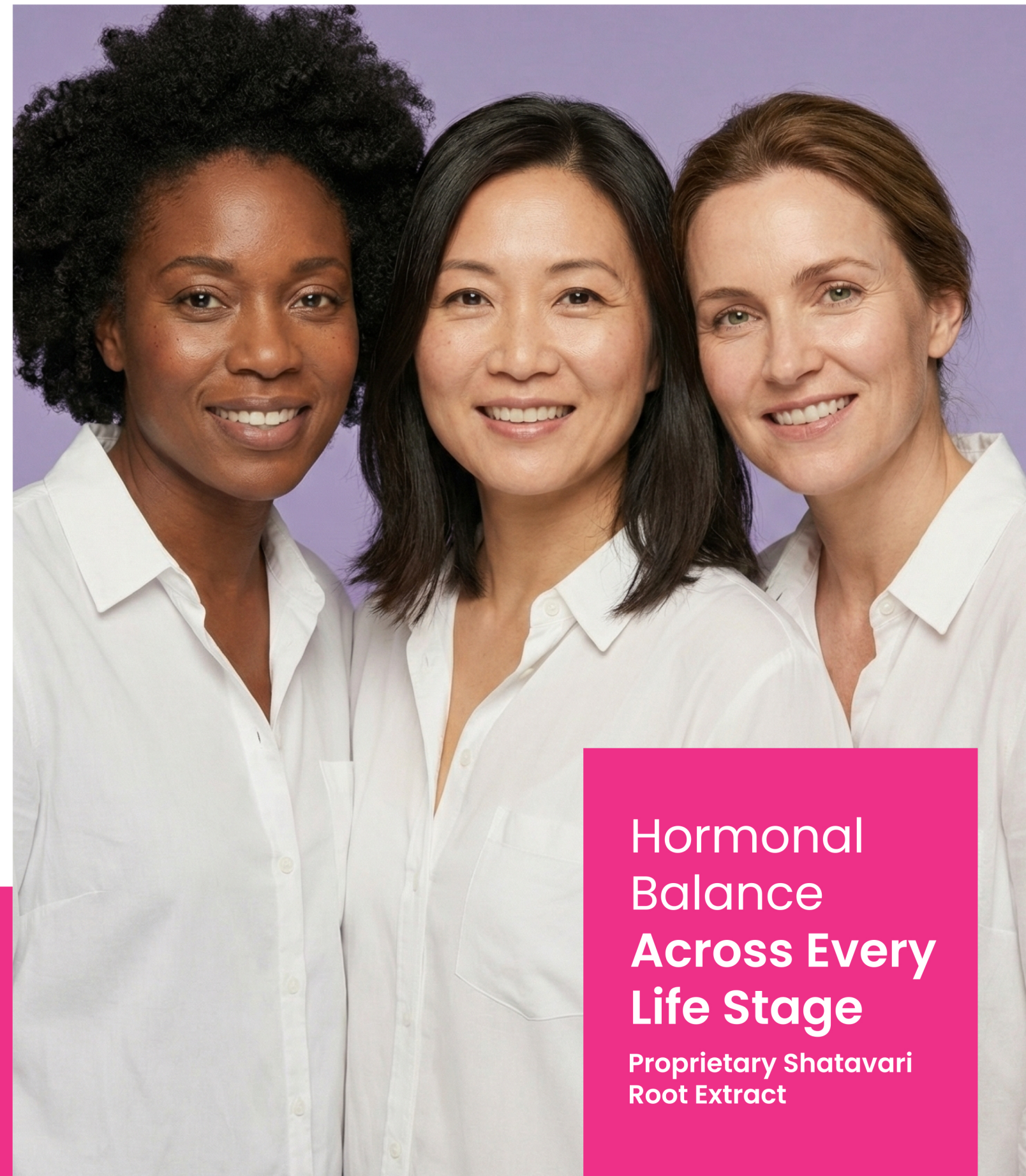
Target Users: Women 20-35 | Women 40+ | Hormone-free seekers

Let's Build Your Next Women's Health Product

Request Samples

Book Technical Meeting

Get Pricing & MOQs



Hormonal Balance Across Every Life Stage

Proprietary Shatavari Root Extract

The Unmet Need in Women's Health

20–35 Years Reproductive Stage

- Menstrual irregularities & cycle disruption
- PMS (cramps, mood swings)
- Acne & hirsutism

40–50 Years Peri-Menopause

- Hot flashes & discomfort
- Weight fluctuations & metabolic slowdown
- Insulin sensitivity challenges

Most existing solutions are hormone-based, poorly tolerated, and inconsistent in efficacy.

The Solution Serebelle™ The Science of Shatavari

- ✓ Standardized to Shatavarins
- ✓ Clinically studied (2 human RCTs)
- ✓ Low dose: 50–100 mg/day
- ✓ Water dispersible & taste masked
- ✓ Suitable for multi-format formulations



Mechanism Multi-Pathway Support



Science Snapshot

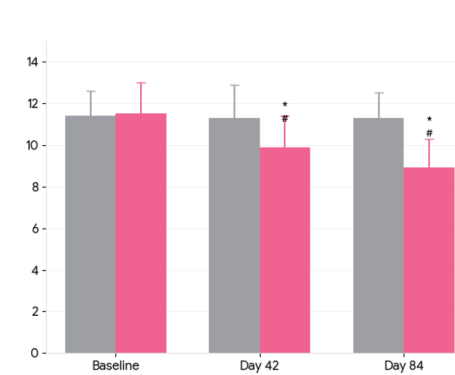
- ✓ 2 randomized, double-blind, placebo-controlled human trials
- ✓ Multi-benefit support (hormones, metabolism, skin)
- ✓ Strong safety profile & tolerability
- ✓ Low inclusion level (50–100 mg)

Clinical Validation

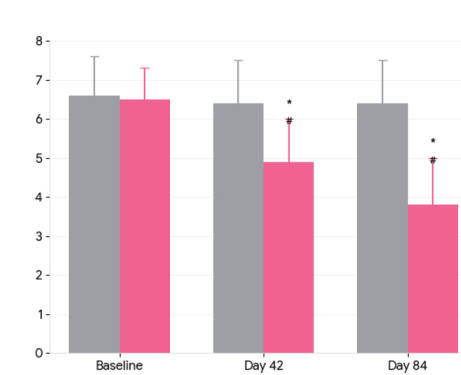
Study 1 – Women (20 – 35 Years)

RCT | Double-blind | Placebo-controlled | 84 days | n=60 | 100 mg

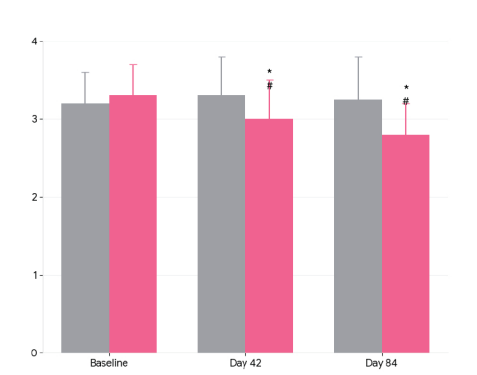
Mean ovarian vol. (cm³)



Mean ovarian cyst size (mm)



HOMA-IR



*# indicate p<0.05 vs. baseline & vs. placebo

*Homeostatic Model Assessment of Insulin Resistance (HOMA-IR) █ Placebo █ Serebelle™

Key Outcomes

↓ Ovarian Volume & Cysts

↓ Hormonal Imbalance

↓ Insulin Resistance

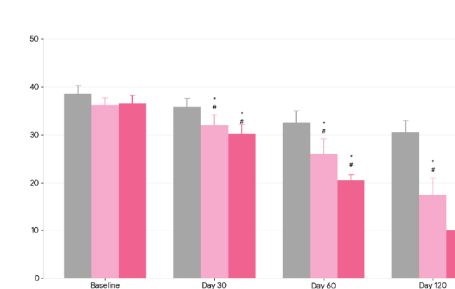
↓ Acne & Hirsutism

↓ Body Composition

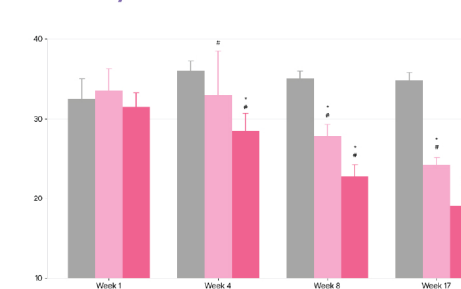
Study 2 – Women (40 – 50 Years)

RCT | Double-blind | Placebo-controlled | 120 days | n=75 | 50–100 mg

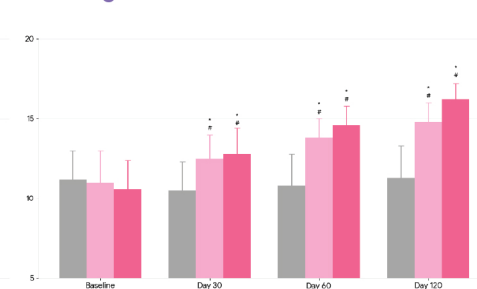
MRS Total Score



Weekly Hot flush scores



Average No. of Follicles



*# indicate p<0.05 vs. baseline & vs. placebo

█ Placebo █ Serebelle™ – 50gm █ Serebelle™ – 100gm

Key Outcomes

↓ Menopause Symptoms

↓ Hot Flashes

↑ Skin Quality

↑ Hair Quality

↑ Hormonal Profile Improved

SAFETY & TOLERABILITY

Non-Mutagenic
(AMES test)

Non-Genotoxic
(in vivo micronucleus)

Non-Clastogenic
(chromosomal assay)

High Safety Margin
(LD₅₀ > 2000 mg/kg)

Well tolerated
in human studies

Why THEOLIM™



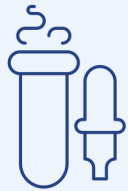
Clinically validated with human studies



Multi-Benefit Support



Effective at Low Dose



Easy Formulation



Strong Safety Profile



Non-Caffeine Thermogenic

APPLICATIONS



Capsules & Tablets



Gummies



Powders



RTDs



Functional foods

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Smarter Weight Management. Naturally.

A clinically studied, non-stimulant thermogenic for modern formulations.

The Weight Management **Category is Evolving**

Consumer Needs

- Non-Stimulant Solutions
- No Jitters Or Crash
- Daily-Use Compatibility

Brand Needs

- Clinically Supported
- Multi-Benefit Positioning
- Clean-Label Ingredients

THEOLIM™ Bridges This Gap



What is THEOLIM™?

A next-generation, **non-stimulant thermogenic ingredient** formulated using a proprietary botanical blend of:

- Lime Peel Extract** *Citrus Aurantifolia*
- Cocoa Seed Extract** *Theobroma Cacao*

STANDARDIZATION

| | |
|-------------|--------|
| Theobromine | ≥ 0.5% |
| Hesperidin | ≥ 0.3% |
| Citric Acid | ≥ 5.0% |

- Supports Calorie Burning
- Enhances Fat Oxidation
- Helps Preserve Lean Mass
- Mood & Metabolic biomarkers

Thermogenesis
Supports energy expenditure, Resting metabolic rate (RMR).

Fat Oxidation
Promotes fat as a preferred fuel, Lower Respiratory Exchange Rate (RER) and improved fat utilization.

Lean Mass Preservation
Helps maintain or preserve lean mass alongside fat reduction.

Hormone Modulation
↑Adiponectin, GLP-1↑, Ghrelin↓

Theolim™
Non-stimulant Botanical Blend

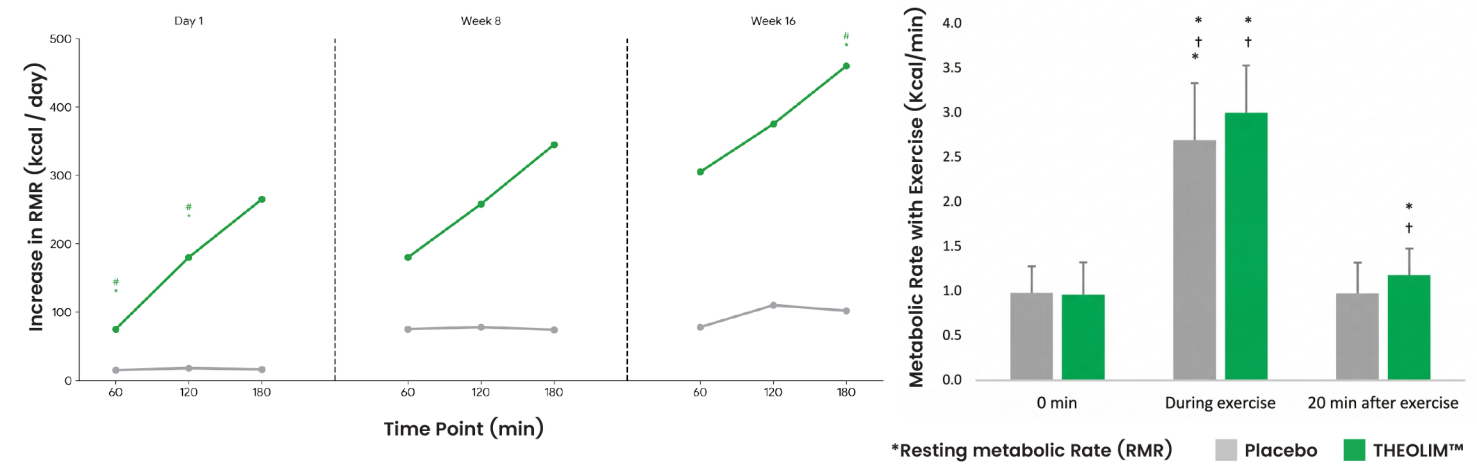
Multi-Pathway Metabolic Support

Clinical Evidence

- Study 1** 16-week randomized, double-blind, placebo-controlled trial (N=120, 450 mg/day)
- Study 2** Acute crossover metabolic study (rest & exercise conditions)

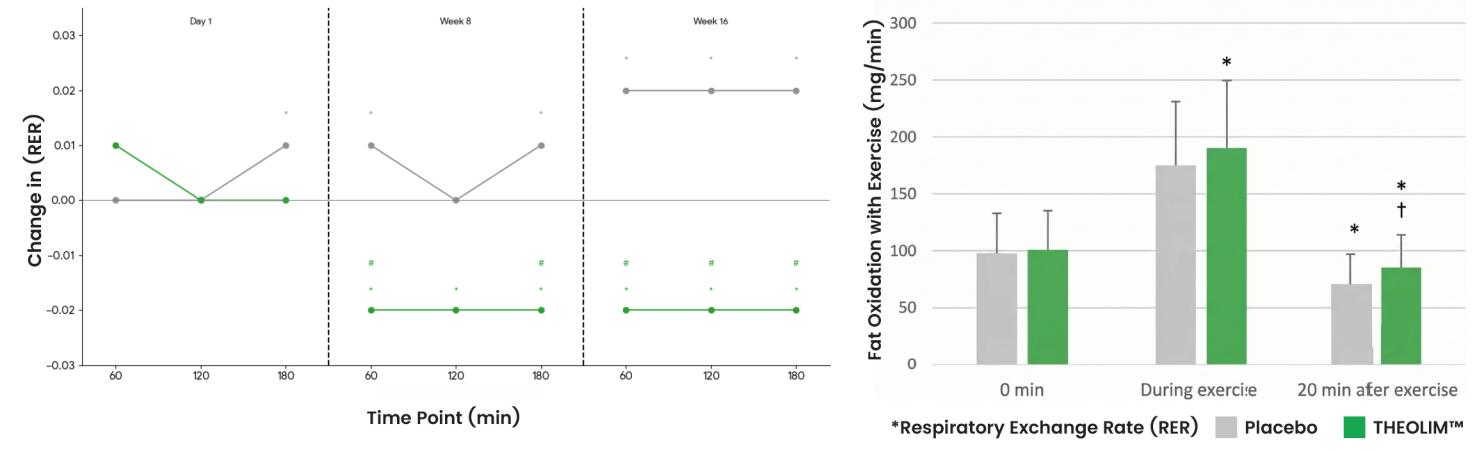
Energy Expenditure & Metabolism (RMR)

↑ Resting metabolic rate and calorie burn vs placebo



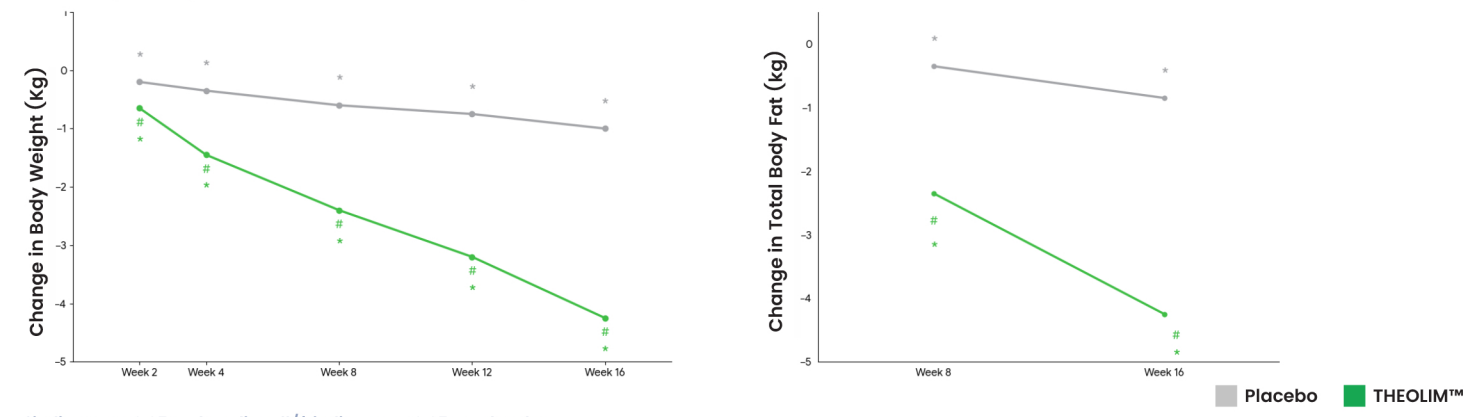
Fat Oxidation & Fuel Utilization (RER)

Promotes fat as a primary fuel (↓ RER)



Body Weight & Composition

↓ Body weight, ↓ fat %, ↑ lean mass preservation



*indicates p<0.05 vs. baseline, #/† indicates p<0.05 vs. placebo





Key Outcomes

- Calorie Burn
- Body Fat
- GLP-1 & Adiponectin
- Ghrelin
- Mood

Built on Science. Delivered with Integrity.

From sourcing to fermentation to final product, every step is controlled, traceable, and quality assured.

Why NaturMed Scientific?

| | | | |
|--|--|---|--|
|  Batch Testing |  Allergen Management |  Stability & Shelf life |  Full Traceability |
|--|--|---|--|

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
|---|---|---|---|---|--|---|---|

Let's Create Next-Generation Formulations Together

info@naturmedscientific.com www.naturmedscientific.com



Innovations in Fermented Botanicals

Enhanced Botanicals for Functional Performance






Why Fermiva Fermentation is Different

Modern consumers demand more than just natural ingredients – they expect efficacy, absorption, and consistency. Fermiva goes beyond conventional process by applying controlled fermentation technology to transform botanicals into high-performance bioactive ingredients.

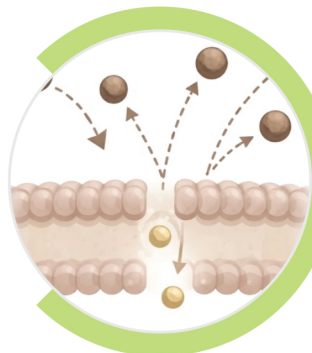
What Makes Fermiva Unique?

Designed for Modern Formulations

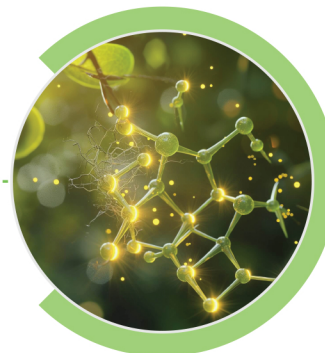
Engineered botanical ingredients with enhanced functionality – delivering consistent performance and improved formulation efficiency.

- 
Controlled Fermentation Technology
 Precisely regulated conditions (temperature, time, microbial environment) ensure reproducible and optimized outcomes
- 
Bioactive Transformation
 Converts natural compounds into more bioavailable and functionally active forms
- 
Higher Functional Potency
 Enhanced levels of polyphenols, flavonoids, and antioxidant activity
- 
Improved Digestibility & Safety
 Reduction of anti-nutritional factors and improved gut compatibility
- 
Batch-to-Batch Consistency
 Industrial precision ensures reliability across every production cycle

A Clear Advantage



Traditional Extracts → Limited absorption





Generic Fermented Ingredients → Inconsistent quality



Fermiva → Controlled fermentation, quality-monitored, science-backed process

Our Fermented Product Range

| | | | | |
|---|---|---|--|---|
|  Fermented Ashwagandha Powder |  Fermented Amla Powder |  Fermented Bacopa Monnieri Powder |  Fermented Beetroot Powder |  Fermented Curcuma Longa Powder |
|  Fermented Cinnamon Powder |  Fermented Cumin Powder |  Fermented Fennel Powder |  Fermented Ginger Powder |  Fermented Gotu Kola Powder |
|  Fermented Mint Powder |  Fermented Moringa Powder |  Fermented Tamarind Powder |  Fermented Tulsi (Holy Basil) Powder |  Fermented Papaya |





Seamless Formulation Integration

Easy to use, taste-neutral, and stable across formats – designed for scalable production.

Fermiva Advantages

- Higher active compound availability
- Faster absorption in formulations
- Improved stability in finished products
- Better solubility and formulation compatibility

Application

| | |
|--|---|
|  Dietary Supplements |  Functional Foods & Beverages |
|  Sports Nutrition |  Cosmeceuticals |

Our LipoXbio™ Portfolio at a Glance

Liposomes with Clinical and Bioavailability Data

| | |
|--|---|
| Liposomal Ashwagandha Adaptogen & Stress | Liposomal Coenzyme Q10 Cellular energy & Heart health |
| Liposomal Curcumin Anti-inflammatory | Liposomal Glutathione Immune & Antioxidant |
| Liposomal Melatonin Sleep Support | Liposomal Vitamin C Immune & Antioxidant |
| Liposomal Berberine HCL Metabolic & Gut health | Liposomal Ferric Pyrophosphate Energy & Blood health |
| Liposomal Resveratrol Longevity | Liposomal Vitamin D3 Immune & Bone health |

& More

APPLICATIONS



Clinically Validated



Manufacturing Stable



Multi-Dormat Compatibility



TEM verified



Lower Dose Required



Scalable Supply

Let's Build Your Premium Liposomal Line

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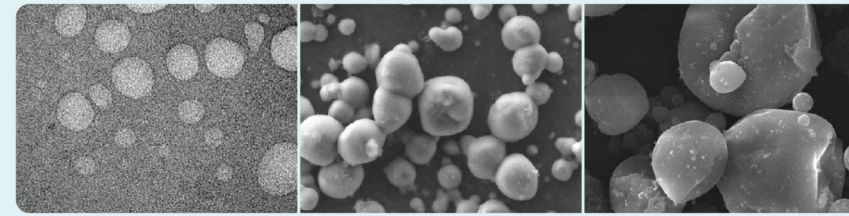


Advanced Liposomal Delivery Platform

Enhanced Absorption | Better Efficacy | Proven Performance

CORE PROBLEM

Why Most Supplements Fail to Deliver



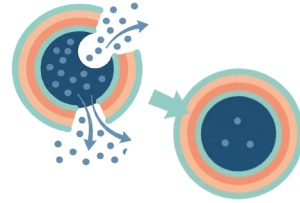
Structural Validation

Verified liposomal structure via electron microscopy

CORE DIFFERENTIATION

Not Everything Labeled 'Liposomal' Delivers

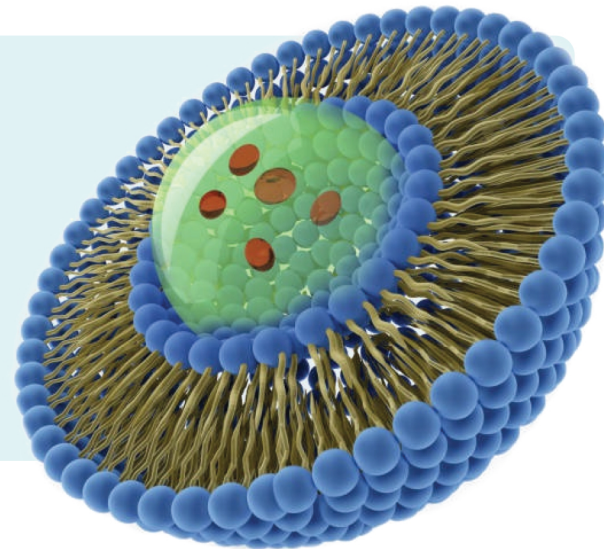
Structure defines performance



- Instability – Payload Leakage
- Heat Sensitivity During Processing
- Pressure Sensitivity
- Inconsistent Encapsulation Efficiency

Why LipoXbio™ Delivery Works Better

Liposomes protect active ingredients and deliver them efficiently into the body for better absorption and performance.



Not All Liposomes Are Created Equal

Scientific validation separates true liposomal systems from simple emulsions

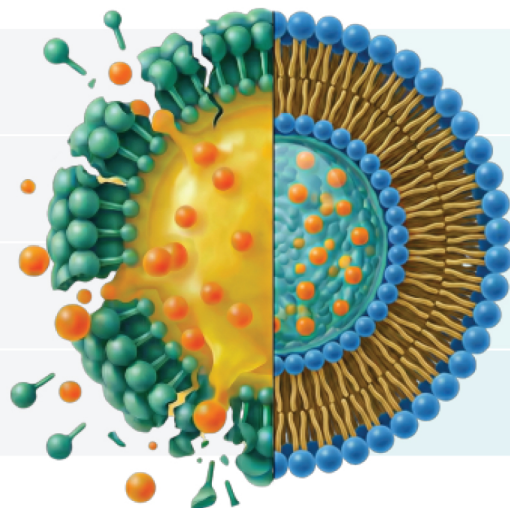
Claimed Liposomal

No true Bilayer Structure
Often just simple emulsions

Low Encapsulation
Active ingredient mostly outside

Unstable Formulation
Separates at high temp./pressure

No Microscopy Data
Lack of TEM verification



Verified Liposomal (LipoXbio™)

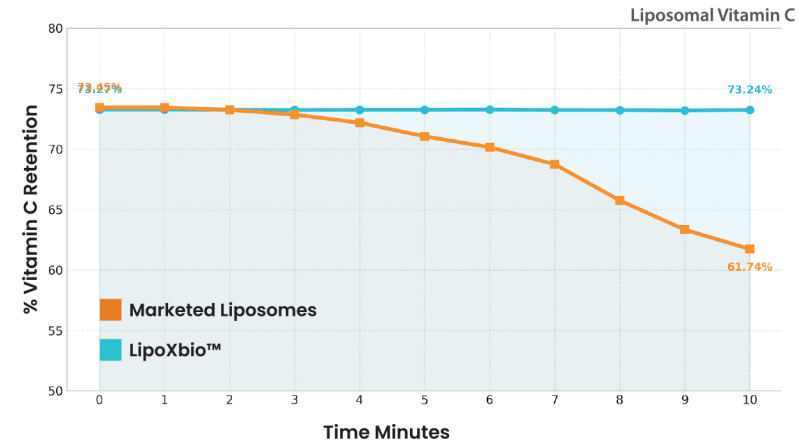
Verified Bilayer Membrane
Confocal microscopy confirmed

High Encapsulation Efficiency
Maximized active delivery

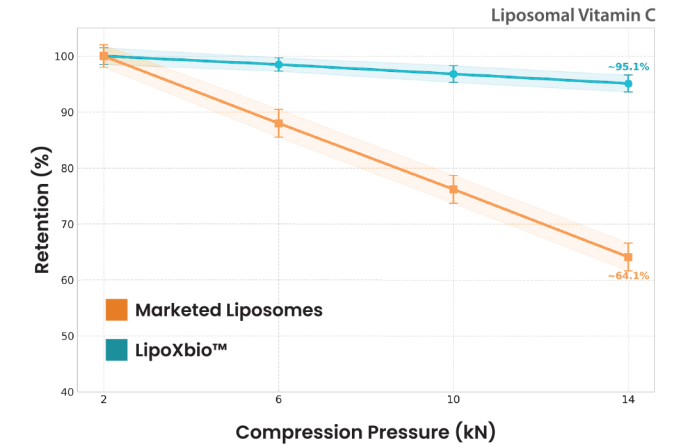
Proven Stability
Resilient under temp & pressure

TEM Structure Confirmed
Electron microscopy evidence

Proven Stability Under Heat at 150°C

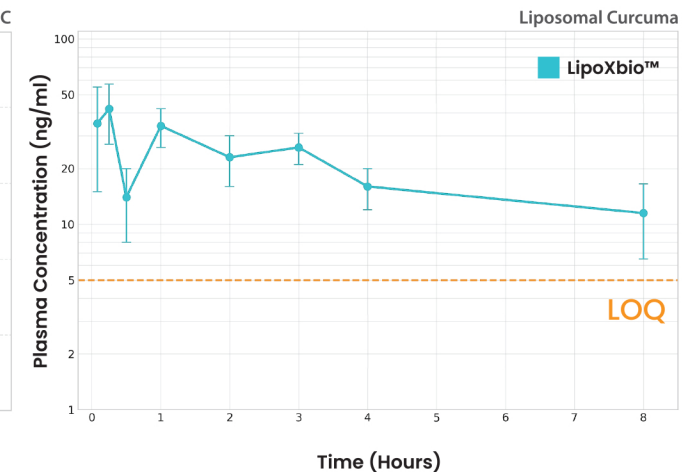
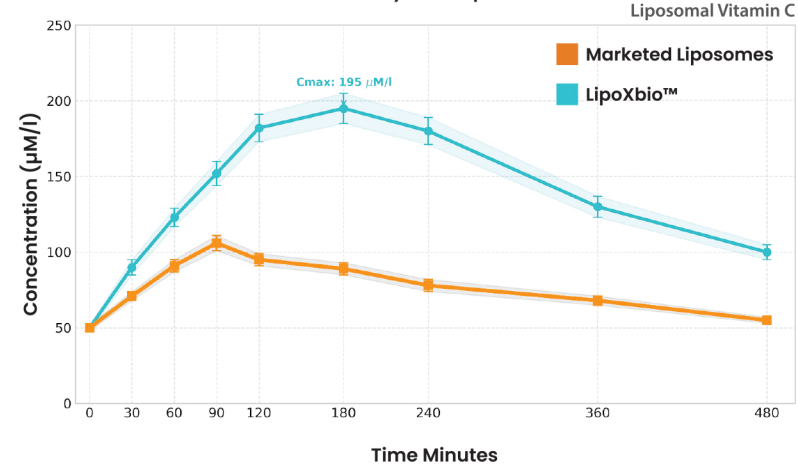


Proven Stability Under Pressure at 14kN



Bioavailability

Demonstrated enhanced bioavailability in comparative studies



*Based on comparative and preclinical bioavailability studies across selected actives

WHY THIS MATTERS

Demonstrated enhanced absorption across multiple actives

- Lower Dose Required**
Higher exposure can help achieve target effects with less active per serving
- Better Efficacy**
Improved absorption supports more consistent performance across users.
- Faster, More Reliable Action**
Optimized delivery can increase the chance consumers "feel" benefits sooner.
- Reduced GI Issues**
Better delivery can support improved tolerability vs high-dose conventional forms.

Premium Positioning

Liposomal delivery can support differentiated claims backed by:

- Stability under heat & compression
- Measured bioavailability gains
- Format flexibility (tablets, gummies, liquids)