



www.zeushygia.com

**COMPANY
INTRODUCTION
& PRODUCT
PORTFOLIO**



#EfficacyMatters

FIRST LOOK ABOUT THE COMPANY

Zeus Hygia Lifesciences is a nutraceutical ingredient research & innovations company based out of Hyderabad, India. The word Zeus Hygia was coined from the Greek mythology

Zeus

Stands for "Supreme God" in Greek Mythology

Hygia

Derived from "Hygieia" ("Hygiene", the Greek goddess/personification of health, cleanliness)



Z

Zeal for
Innovations

E

Efficacy

U

Uniqueness

S

Sustainability &
Traceability



TEAM

Zeus was founded by a team of passionate entrepreneurs coming from pharmaceutical and nutraceutical core research background.



ARUN PhD MBA
Co founder & Director

Arun holds a master's degree in pharmacy ,PhD and carries a rich industry experience (20 years) associated with major Indian MNC's like J&J,Cipla, Aurobindo Pharma, Dr.Reddys research Labs and Zydus Cadila. Before embarking on entrepreneurial journey, he was an integral part of Celltrion Inc. (South Korea based global leader in Biosimilars) leading their pharma division R&D operations.

He has been a key force in driving the business development of Zeus and has been instrumental in global business expansion and growth



SHANKAR , M.Pharm
Co founder & Director

Shankar, a pharma post-graduate comes with strong subject expertise and experience of 20 years in the nutraceutical research arena, owns multiple patents and publications.

He has started career with Sun Pharma and was part of Cipla during the initial phase. His passion for nutraceuticals ignited during a decade long association with Omniactive health technologies.

Shankar has been leading the Zeus team with product ideas, portfolio selection, apart from managing the technical operations

PROPRIETARY PLATFORM TECHNOLOGIES

BioSOLVE Technology

A proprietary technology to enhance the physico chemical properties of Bio actives/ extracts in a food ingredient carrier. This is mono ingredient driven encapsulation technology.

*Commercial Product-
BioSOLVE Curcumin®

BioFUSION Technology

A proprietary technology to infuse multiple Bio actives/ extracts in a food ingredient carrier. This is a platform base where a soluble & Insoluble extract can be encapsulated to yield final product with synergistic properties and superior stability.

*Commercial Product-
Gremin®

ADOP Technology

Advanced processing technology to infuse multiple Bio actives in powder & oil form together into a plant based carrier. This technology yield a free flowing powder without any oil leaching during storage.

Commercial product-
Grantria®

Insolib Technology

This technology address the limitations of herbal extracts which tend to be unstable in acidic environment and leading to poor in vivo absorption.

*Commercial Product-
Stadice®

INTELLECTUAL PROPERTY & INNOVATIONS

BioSOLVE
Curcumin® -
Composition and
Technology

Patent Granted &
Published in USA

Gremin® -
Proprietary
combination
formula

Patent granted
& Published
in USA

Consolax® -
composition and
clinical
advantages

Patent Filed

CaroTex® -
water
soluble
formula

Patent Filed in
India & Published

Grantria™ –
Unique triple
active formula

Provisional
Patent Filed

Stadice™ -
Proprietary
ingredient for
cognitive benefits

Provisional
Patent Filed

Gevalin™ -
A novel process
to enrich the
active content

Patent Filing
progressing

BRANDED INGREDIENTS



Joint Health /
Mobility



Skin Glow / Anti wrinkle /
beauty within/Anti Aging



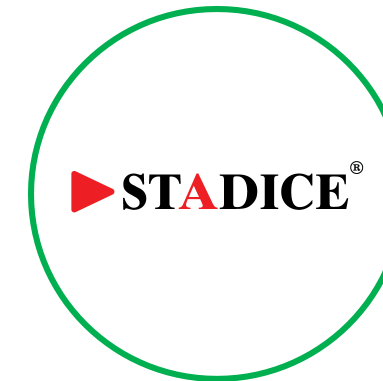
Acidity /
GERD/Digestive



Muscle recovery /
Endurance /
Stamina / Sports &
Active Nutrition



Gut Health / Micro flora
balance / IBS / Stress



Cognitive Health / Focus /
Alertness/E Sports

GreMin®

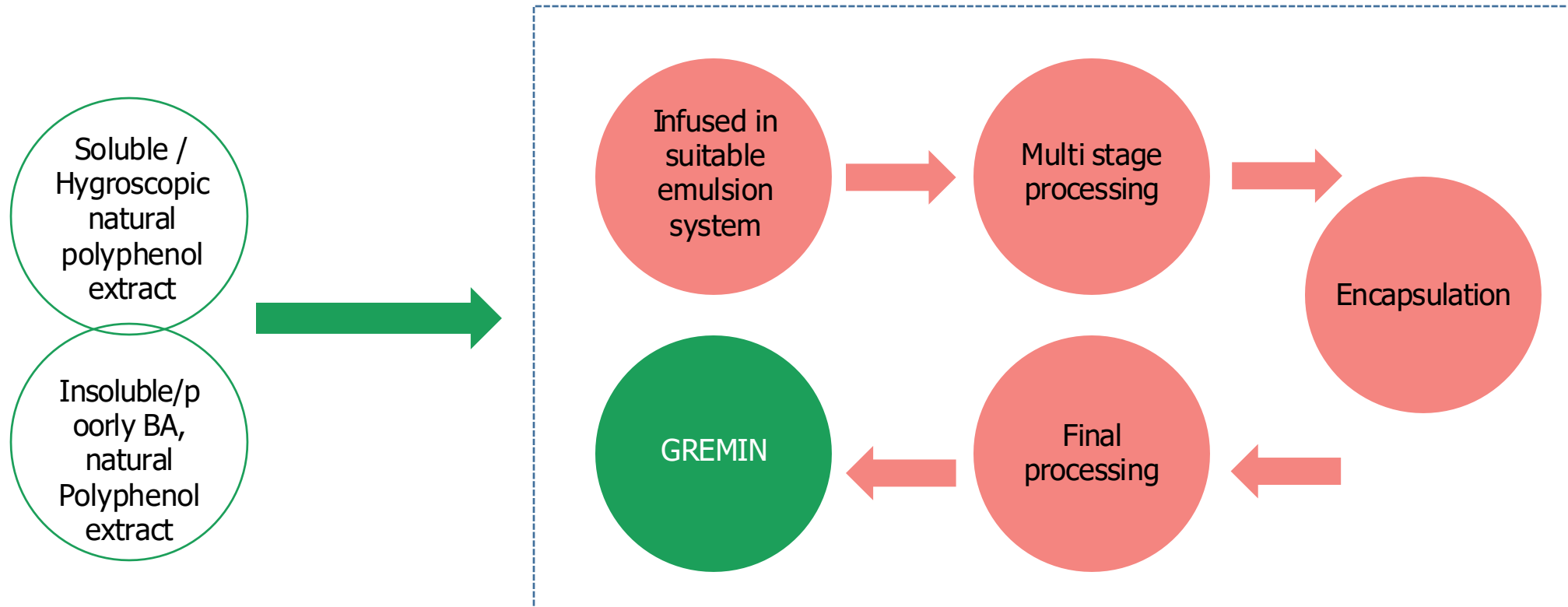
- ✓ Accelerates Muscle Recovery
- ✓ Boosts Stamina /Endurance
- ✓ Fatigueness
- ✓ Clinically Proven Ingredients
- ✓ 4 Scientific Studies
- ✓ Health Canada NPN

-
- | Patent awaited in USA
 - | Biofusion Technology
 - | First in the market



BIOFUSION TECHNOLOGY

Gremin® is a water dispersible powder Standardized to Chlorogenic acid & curcuminoids. Gremin® is manufactured by proprietary Biofusion technology.



CLINICAL STUDY SUMMARY

To Evaluate the effect of Gremin® on Endurance, Muscle Performance & Muscle Protection in Healthy Human Subjects

Study type: Randomized double-blind placebo-controlled parallel-group

Test Product: Gremin® v/s Placebo

Dose: 500 mg capsules, **Duration:** 14 days, **Subjects - 60**

Assessment Criteria:

1. To assess Endurance by physical performance tests (6MWT & VO2 max), Isometric muscle strength by handheld dynamometer & Fatigue by MFI questionnaire.
2. To assess Muscle Recovery: Compare Gremin® vs. placebo by assessing LDH and CRP levels, muscle mass, and lean body mass using DEXA scan.

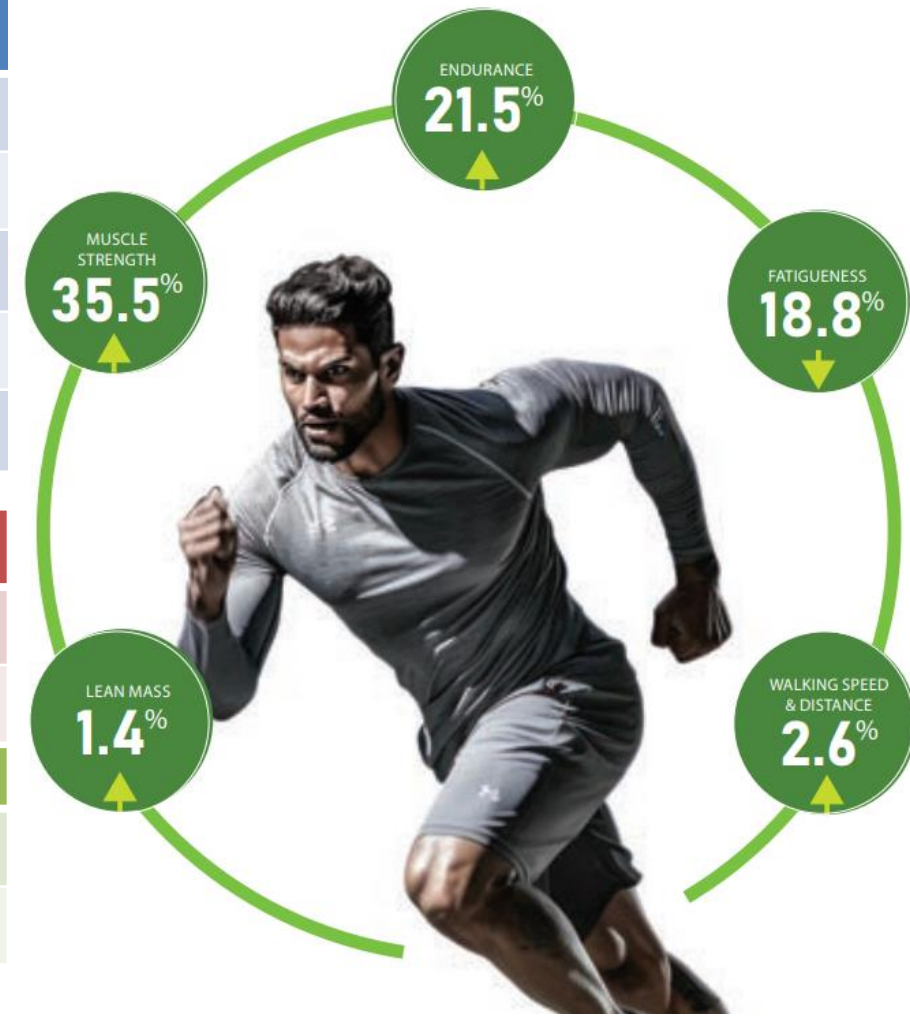


CLINICAL STUDY - RESULTS

	Parameters	Visit (14th day)	Group A (Gremin)	Group B (Placebo)
ENDURANCE & PERFORMANCE	Number of Squats	% Improvement	9.11%	3.40%
	Number of Pushups	% Improvement	21.50%	2.45%
	6 Minutes Walk test- Speed & distance	% Improvement	2.64%	0.13%
	VO2 Max (mL/kg/min)	% Improvement	3.75%	0.70%
ENERGY LEVELS	Total MFI (Fatigueness & Motivation)	% Improvement	18.8%	1.96%

	Parameters	Visit (14th day)	Group A (Gremin)	Group B (Placebo)
Muscle Recovery & Strength	Strength	% Improvement	35.5%	9.3%
	Recovery-CRP (mg/L)	% Improvement	29.20%	-11.40%

	Parameters	Visit (14th day)	Group A (Gremin)	Group B (Placebo)
Lean Body Mass	Lean (g)	% Improvement	1.40%	0.12%
	Fat free (g)	% Improvement	2.10%	0.20%



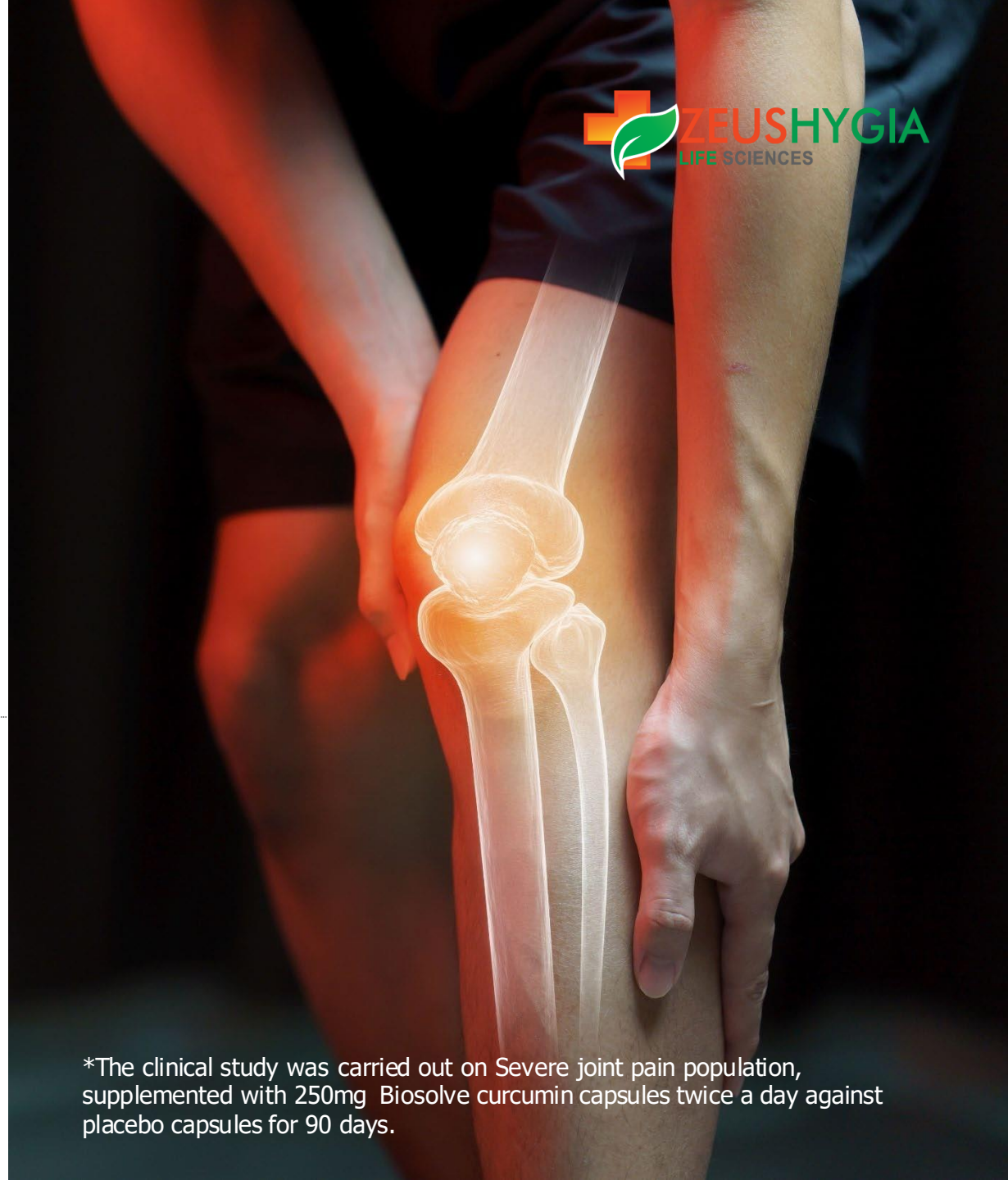
*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

BioSOLVE Curcumin[®]

MOST EFFECTIVE CURCUMIN AT LOWEST DAILY DOSE*

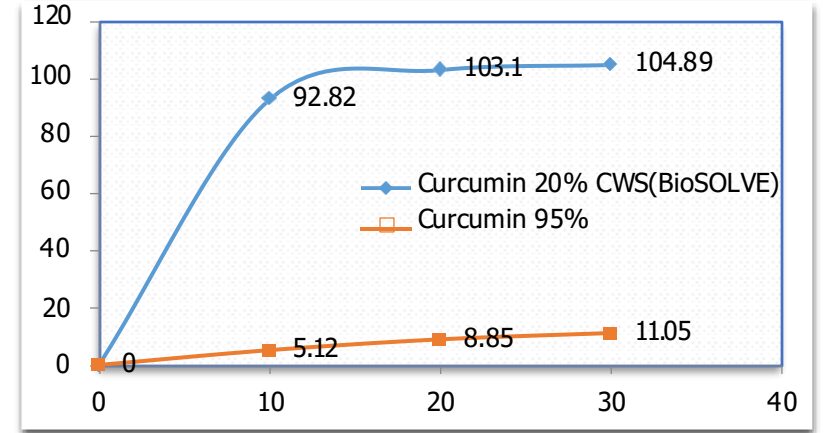
- Patented
- Technology Driven
- Clinically Proven
- 4 Scientific studies

*The clinical study was carried out on Severe joint pain population, supplemented with 250mg Biosolve curcumin capsules twice a day against placebo capsules for 90 days.



COMPARISON SOLUBILITY & DISSOLUTION – BIOSOLVE CURCUMIN Vs CURCUMIN 95

BioSOLVE Curcumin® shows better solubility and dissolution compared to Curcumin 95% powder.

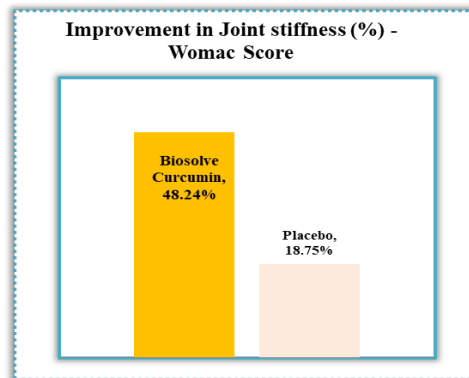
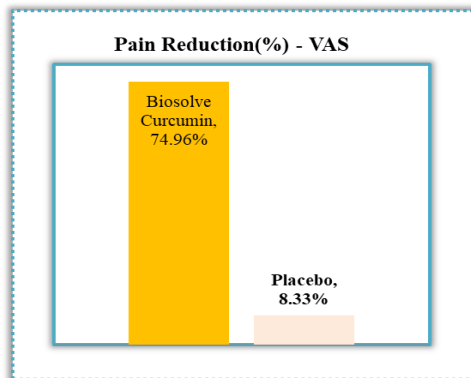


USP Type II
Simulated Gastric fluid with 2.0% SLS
900 MI/75 RPM

The graph Plotted shows the rapid dissolution of Biosolve curcumin (500mg capsules) in simulated gastric conditions in comparison to standard curcumin extract (500mg capsules)

CLINICAL EFFICACY – STUDY RESULTS

- Significant therapeutic effects from 30 days onwards
- 90% of studied patients switched from Severe pain to mild/moderate
- Improvement in swollen joints & mobility – **75%**
- Improvement in joint stiffness & Pain – **48.2%**
- Easeness in Daily physical activities – **90% Improvement**
- No adverse/safety concerns



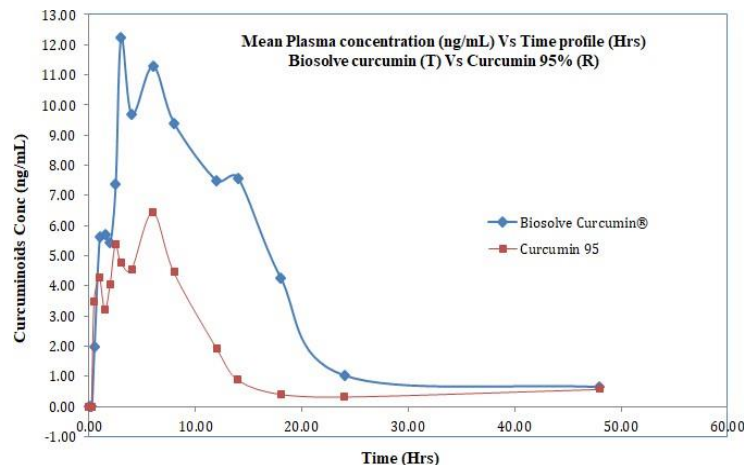
Clinically Effective at a lowest daily intake of 100mg Curcumin



The clinical study was carried out on Severe joint pain population, supplemented with 250mg Biosolve curcumin capsules twice a day against placebo capsules for 90 days.

BIOAVAILABILITY STUDY RESULTS

The present pharmacokinetic study established that BioSOLVE Curcumin® possess higher bioavailability at given dose of 500 mg i.e. 382% higher plasma Curcumin than 1000 mg of the standard Curcumin extract. Furthermore, the dose adjusted **absorption concentration (Total Curcumin) of test product was 48 fold higher than standard Curcumin extract.** The total curcuminoid plasma concentrations it has been observed that 500 mg of BioSOLVE Curcumin® provided 176% higher absorption than 1000 mg of the standard Curcumin extract.



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Grantria®

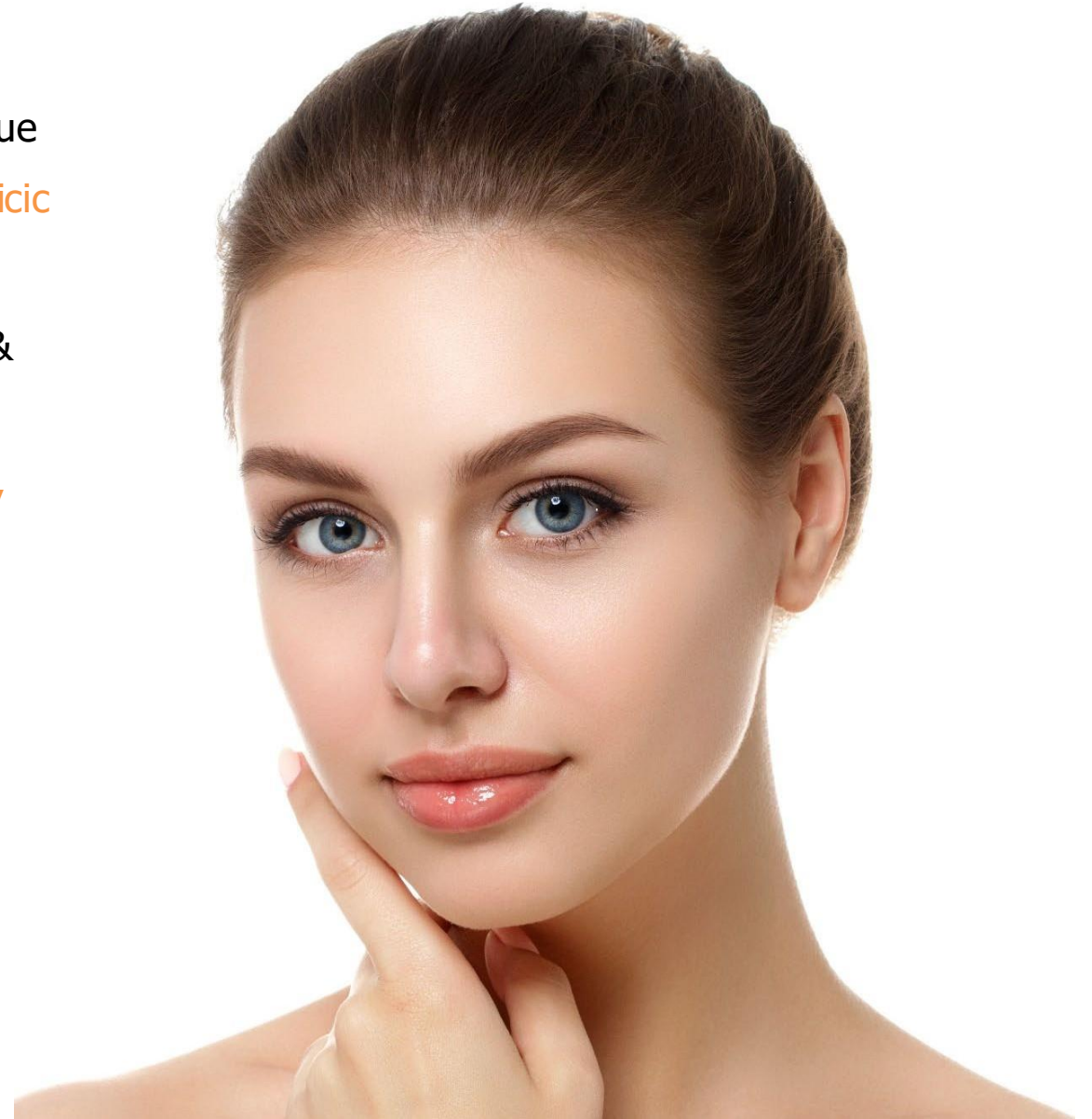
A COMPLETE POMEGRANATE EXTRACT

- **First Pomegranate** based ingredient standardized for **three actives**
- Clean Label certified natural ingredient
- Green & Clean Process
- Clinically Proven



- A pomegranate-based ingredient standardised with unique ratio of all three actives Ellagic acid, Punicalagins and punicic acid (Full spectra PE)
- Product with enhanced *in-vivo* properties, bioavailability & efficacy.
- Value-added ingredient manufactured using a proprietary technology.
- A Holistic ingredient for beauty as well as other wellness categories.

Grantria® manufactured with ADOP Technology targeted to address the limitations of pomegranate based ingredients currently available in the market.



Grantria®

POMEGRANATE - BEAUTY FROM WITHIN

Cell
Regeneration &
Skin glow

Sun
Protection

Age
spots/wrinkles/
Hyper
pigmentation

Tyrosinase
regulation /
Melanin
synthesis



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CLINICAL SUMMARY

EFFICACY
MATTERS

The **Clean Label**, Patent pending **Grantria[®]**,
manufactured by **ADOP Technology**
has proven its skin glow benefits in
the recently concluded clinical studies





A PROPRIETARY HERBAL INGREDIENT FOR BRAIN HEALTH

- Cognitive Health
- Memory
- Stress
- E-Sports
- US Patent pending*
- Clinically Proven
- Technology based

*Patent Application number : 202241065502



INTRODUCTION

Zeus has developed a proprietary ingredient targeting general cognitive health as well as E-Sports and other related categories

Based on

- Literatures
- Clinical evidences
- Historical data
- Research & Science



- Focus
- Alertness
- Memory
- Cognitive Health
- Stress / Sleep



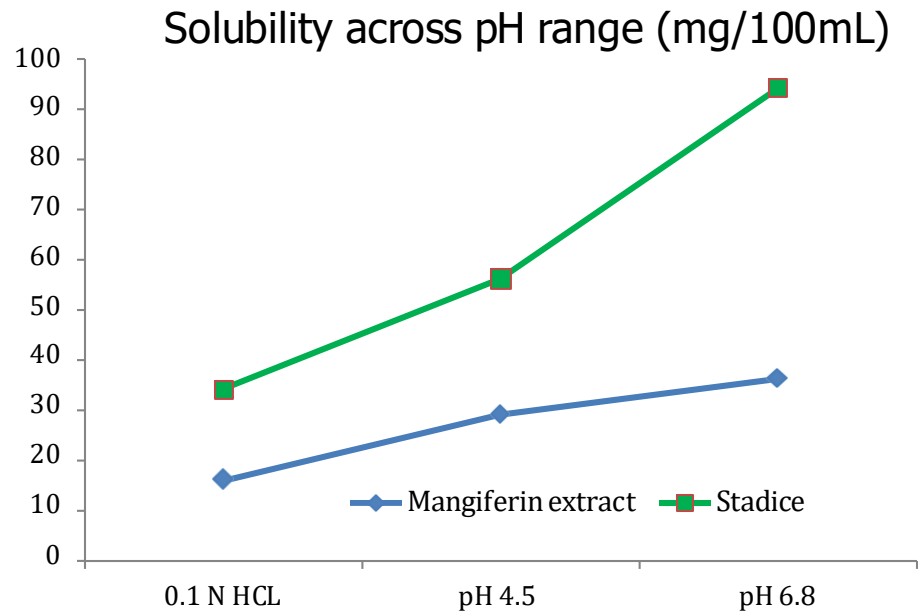
▶ STADICE®



Mangifera
Indica extract
standardized to
Mangiferin

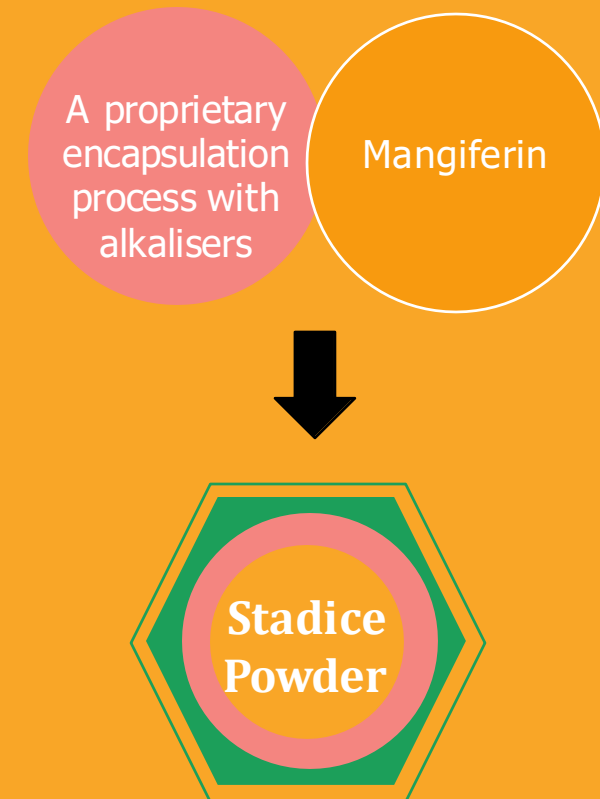


STADICE SOLUBILITY & DISSOLUTION



Stadice[®] exhibits better solubility across the pH range compared to regular Mangiferin extract.

Insolib Technology is a proprietary technology to address the low solubility of herbal actives in the acidic environment and to enhance the solubility, bioavailability & therapeutic efficacy of Mangiferin.

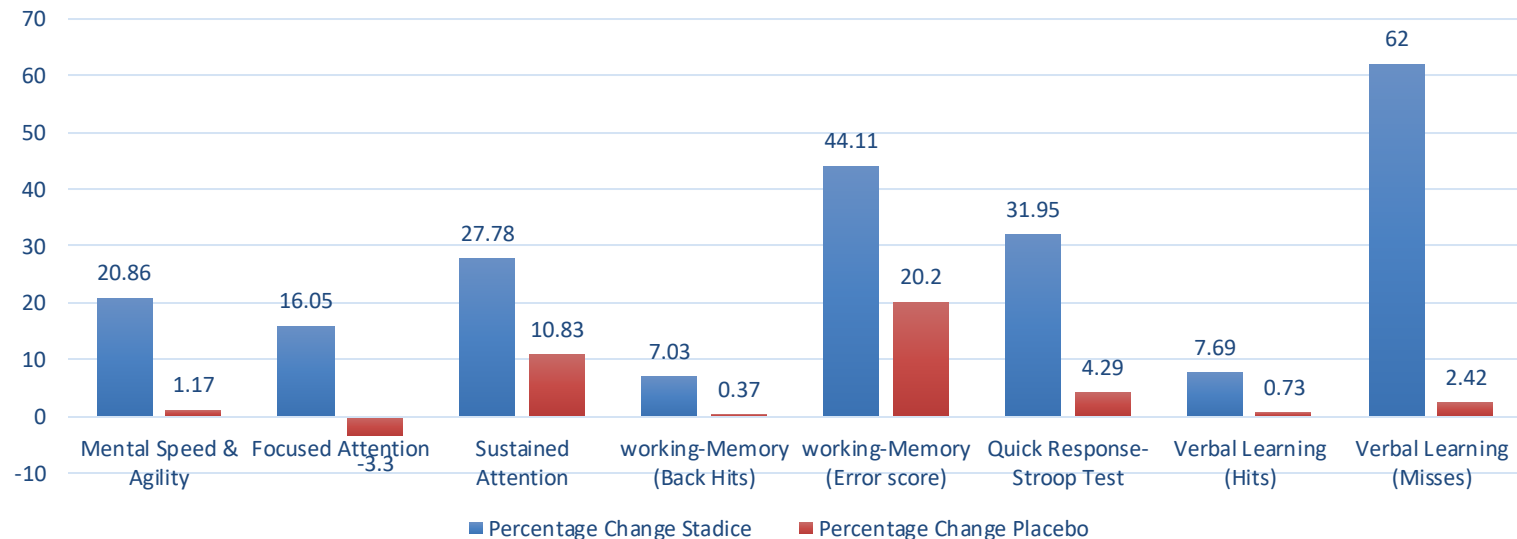


STADICE® - Clinical Summary

Test Product	Stadice 300mg capsules (Once day)
Reference Product	Placebo 300mg capsules (Once day)
Subject demographics	18 to 45 male & female healthy subjects who plays video games atleast 3 Hours weekly
Design	Randomized double blind placebo controlled study for 7 days

- ↑ **Mental Speed** 20.86%
- ↑ **Working Memory** 7.03%
- ✓ 300 mg
- ✓ 60 Subjects
- ✓ 7 days
- ↑ **Sustained Attention** 27.78%
- ↑ **Auditory Verbal learning** 7.69%
- ↑ **Focused Attention** 16.05%

CLINICAL EFFICACY COMPARISON (%) IN 7 DAYS

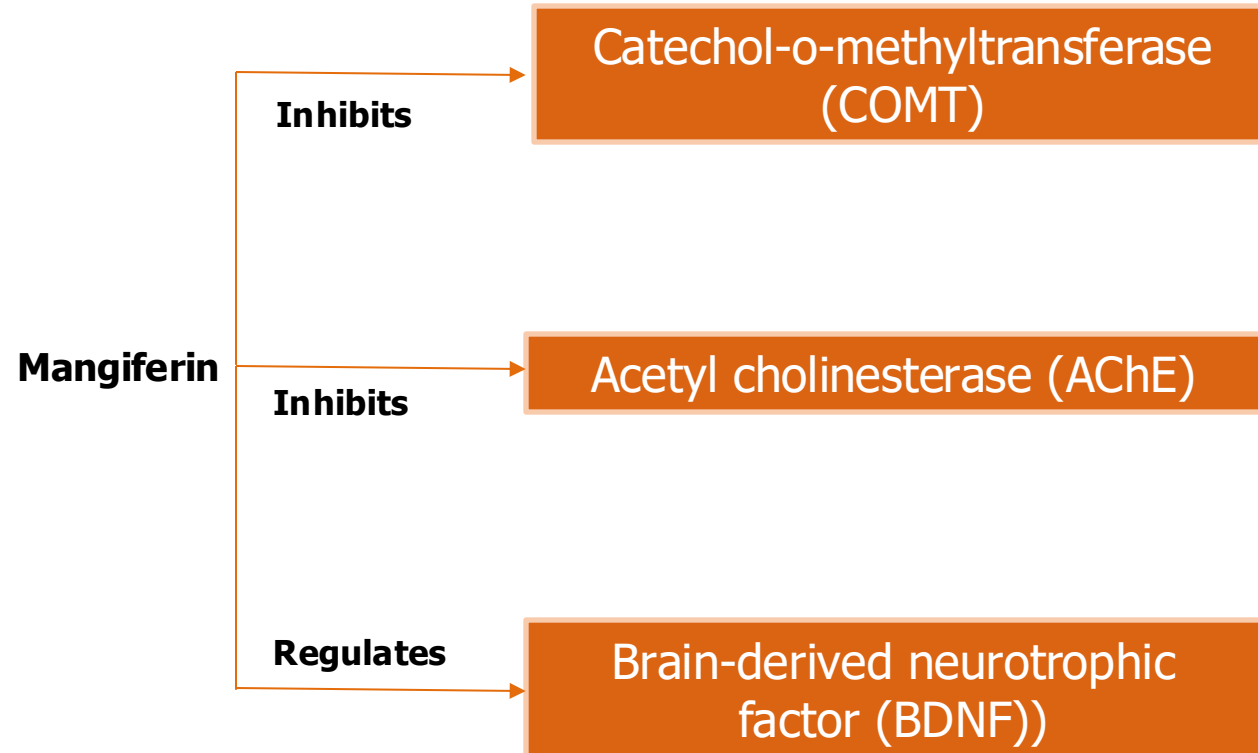


Clinical Journal

Assessment of Efficacy and Safety of Mangifera indica Extract (Stadice®) for Cognitive Function: A Randomized, Double-Blind, Placebo-Controlled Study

[Click here to View](#)

MECHANISMS



Improves working memory & Attention

Improves Focused Attention

Regulates Stress & Anxiety

Proprietary
Ingredient
formula for
Gut health

Patent
pending &
clinically
validated

Targeting
unmet
therapeutic
segments

All
natural
actives
& Fibers



PREVIEW- CONSOLAX®

CONSOLAX®, a **unique fiber formula** from Zeus is a proprietary ingredient of selected **Soluble, Insoluble fibers along with natural plant fiber** at a desired concentration for over all gut and digestive health and Constipation. CONSOLAX® also possess anti-inflammatory benefits.

CONSOLAX® can be readily mixed in water/juices and consumed immediately. Product has been formulated with acceptable taste and easy dispersability.

Key Highlights

- Patent pending proprietary formula
- Easily dispersible
- Acceptable taste
- Fastest growing market
- Can be directly filled into bottle packs/sachets

It may Help

- Improve symptoms of Lower gut issues
- Improve digestion & gut Health
- Reduce stomach discomfort & inflammation
- Improves Immunity & overall well being
- Positively support the gut micro biota

CLINICAL TRIAL

A randomized, double blind, parallel group, reference controlled study to evaluate the safety and efficacy of Consolax[®] powder .

The primary efficacy evaluation was the patient's symptomatic response as measured by the SCBM, Subject's VAS and Physician's Global Assessment of Relief and inflammatory markers.

Secondary efficacy variables included stress improvement, quality of life. Safety of the product throughout the supplementation.

Primary Outcome:

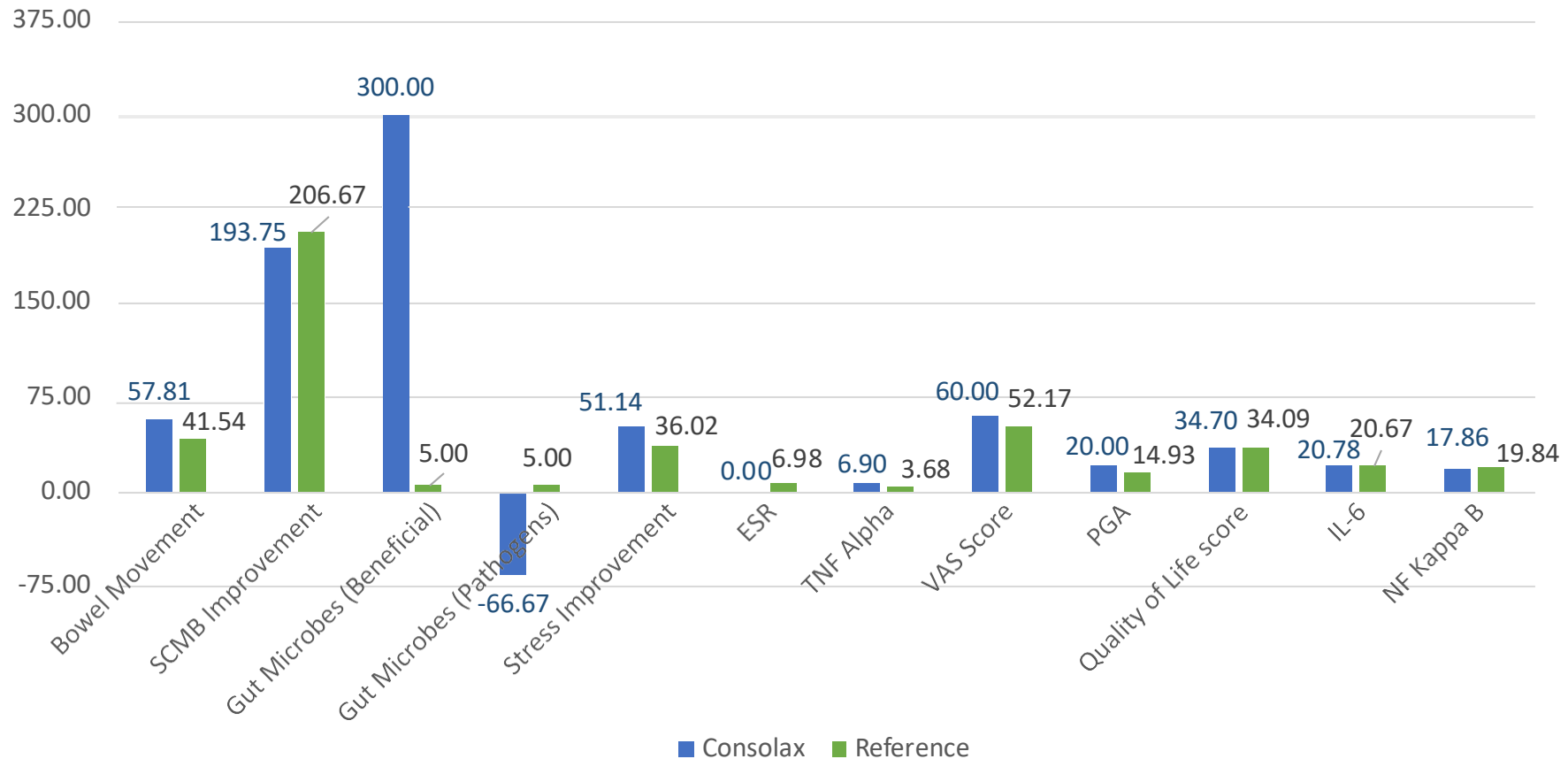
- ✓ VAS Abdominal Pain Score Improvement.
- ✓ The percentage of patients with weekly average of 3 or more spontaneous complete bowel movements (SCBM).
- ✓ Global Physician Improvement in signs and symptoms score .
- ✓ Inflammatory Markers: ESR, IL6, TNF-alpha & NF Kappa B.
- ✓ Gut microbial analysis (Changes in gut micro flora from day 0 and day 30).

Secondary Outcome:

- ✓ Evaluating the Stress levels in subjects by standard stress questionnaire .
- ✓ Proportion of subjects who achieve improvement in Constipation; abdominal pain/discomfort, bowel habits and bloating.
- ✓ Safety parameters evaluation for Consolax[®].

CLINICAL FINDINGS

Gut Health Improvement(%) – Comparison graph



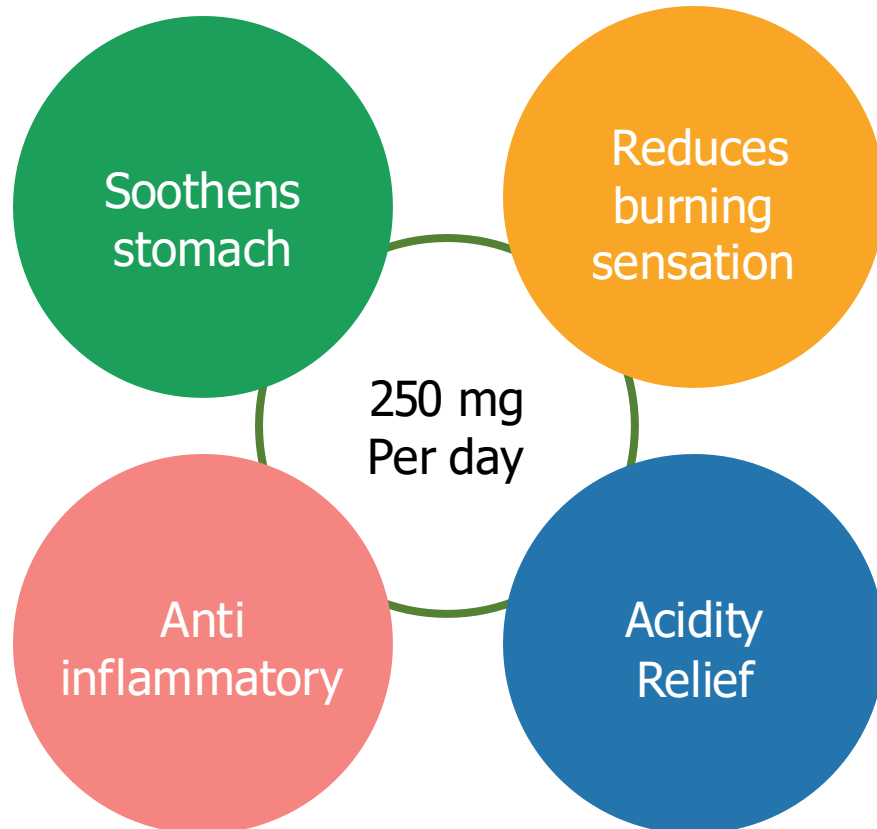


PROPRIETARY INGREDIENT FOR – ACIDITY / GERD / GUT WELLNESS

- ✓ Bael fruit, known for its unique medicinal properties and has been used in Ayurvedic medicine for centuries.
- ✓ The active contents are tannins and marmelosin.
- ✓ Marmelosin has been found to have anti-ulcer properties and may help in maintaining stomach health.
- ✓ Marmelosin has also been found to have potential benefits in regulating GERD, acidity and IBS etc.



Gevalin is targeted to address various symptoms associated with Acidity and gastric reflex and over all gut health through different mechanisms.



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LIPOSOMAL INGREDIENTS

Zeus Innovations team has developed a platform **Z-Lipofusion Technology**, which can be utilized to improve the Bioavailability Of poorly Lipophilic compounds.

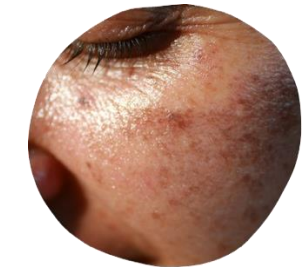
- **Liposomal Vitamin C**
- **Liposomal Coleus Extract**
- **Liposomal Berberine**



Nutra cosmetic Portfolio



Nutra-Cosmetic ingredients



Ingredients	Format	Composition	Cosmeceutical Applications/Benefits
Grantria™	Oil & Powder	Pomegranate extract base	<ul style="list-style-type: none"> • Anti wrinkle • Anti Aging • Reduce hyperpigmentation
CAMGEN™	Oil & Powder	Green tea extract with Green coffee	<ul style="list-style-type: none"> • Anti Oxidants • Anti-ageing • Moisturizing cream
PChlor™	Oil	Tea Tree Oil, Green coffee extract	<ul style="list-style-type: none"> • Anti-acne
RGXSun	Powder	Grape Seed extract with Rosemary Extract	<ul style="list-style-type: none"> • Sun Protection/UV Protection

Global Customer Presence



Zeus branded ingredients has got a customer base in multiple countries / geographies and still growing



USA



Japan



Korea



New Zealand



Australia



Spain



France



India



Bangladesh



Malaysia



Germany



Hungary



Many more....

MANUFACTURING & TRACEABILITY



All our branded ingredients are manufactured from facility carrying global accreditations and International quality standards.



We practice completely sustainable & traceable supply chain assuring consistent quality and is auditable any time as per customer requirements. Batch testing & release carried out in internationally accredited Third party analytical labs.



MEET US AT

SupplySide[®]
EAST

BOOTH - | 16-17
765 | April

Vitafoods[™]
Europe 2024 

Geneva | 14-16
| May

Vitafoods[™]
Asia 2024 

BOOTH - | 18-20
Q30 | September

SupplySide[®]
WEST

Las Vegas |
| **2024**



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