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RAWGA

THE NEXT-GENERATION BIO WELLNESS COMPANY

Designed by Nature.
Perfected by Science.

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THE COMPANY

A NEW STANDARD IN PLANT-BASED BIOMATERIALS.

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A vertically integrated biotech company, from raw materials to finished products

VISION We prove plant-derived biomaterials with science, and turn them into a new global standards — from raw ingredients to finished products.

01 Biofunctional Ingredient Business

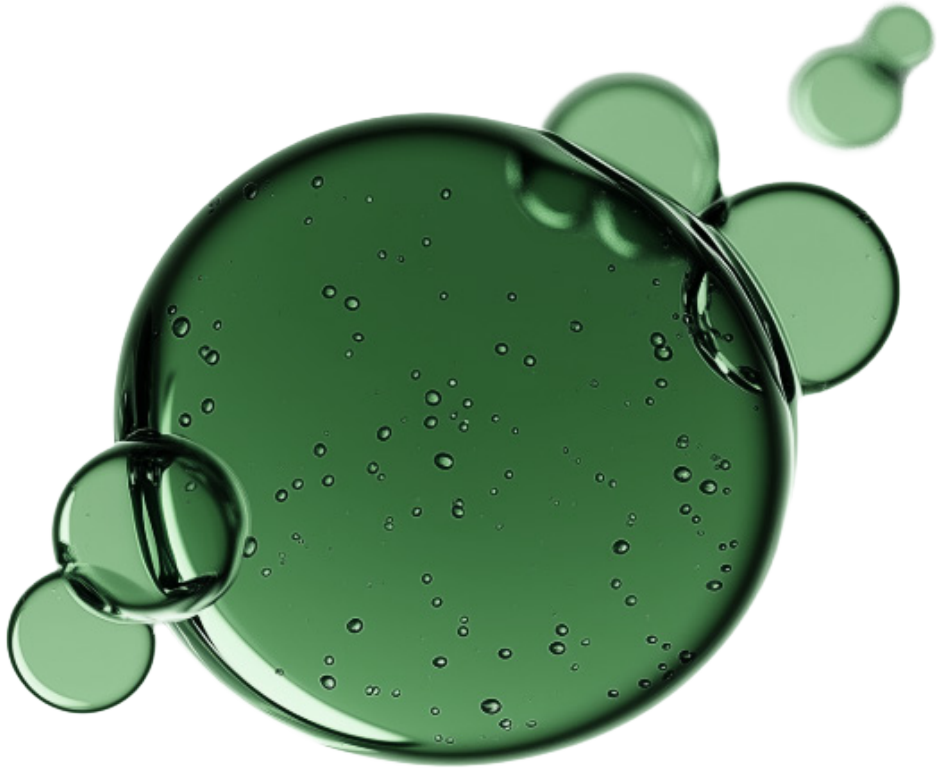
Producing proprietary ingredients such as VC-H1, to B2B partners.

02 Finished Product Infrastructure

Designing ODM / OEM finished products using our own proprietary ingredients and technology

03 R&D Capabilities

In-house ingredient development and global regulatory compliance capabilities



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A wellness peptide platform built on differentiated ingredients and technology.

01



Distinctive Plant-Based Ingredients

02



Patented Proprietary Technologies

03



Supported by Clinical Data

04



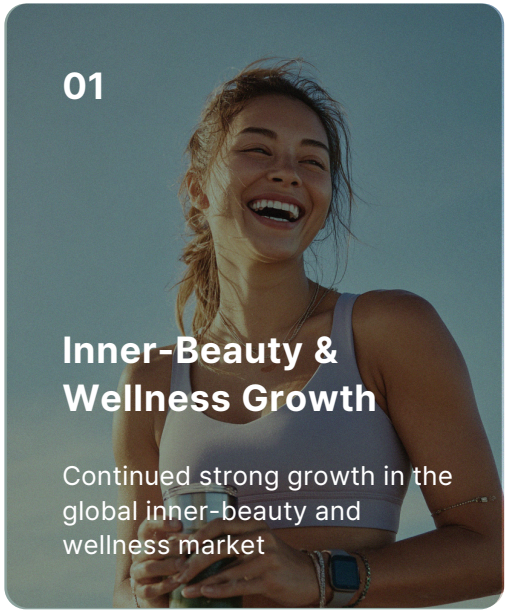
Quality Management Systems

WELLNESS PEPTIDE PLATFORM

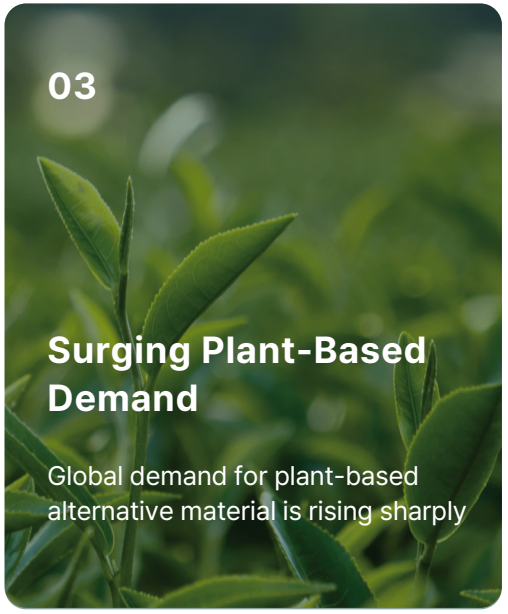
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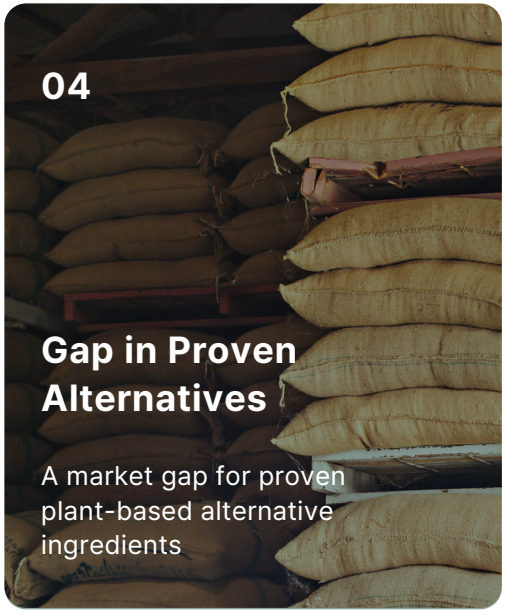
PROBLEM

The limits of animal-derived ingredients are exposed, and demand for proven plant-based alternatives is surging.









SOLUTION

RAWGA addresses the limitations of animal-derived ingredients through plant-based functional ingredients using standardized peptide technology

By combining plant-based ingredient development, low-molecular-weight peptide technology, standardization, clinical data, and a robust quality management system, RAWGA is building a validated plant-based ingredient platform for the inner beauty and wellness markets.

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Adjacent global wellness and plant-based markets are growing fast.

Global Plant-Based Food Market

CAGR of 11.7%

$50 billion

Adjacent markets across the global wellness and plant-based sectors are growing rapidly.

Global Collagen Market

CAGR of 8%

$9.3 billion

The global collagen market was estimated at approximately USD 9.3 billion in 2025. Converting even 1% of the market to plant-based alternatives would create a meaningful new growth opportunity.

Inner Beauty

$10.05B

Ingestible beauty supplements for skin, hair, antioxidant and gut-skin axis

Joint Health

$4.74B

Supplements supporting joint, cartilage, bone and musculoskeletal system

Protein Supplements

$3.16B

Nutrition supporting pre/post-workout energy, protein intake, recovery and performance

Anti-Aging

$4.88B

Supplements supporting skin, cellular health, energy and vitality decline from aging

SOURCES : MORDOR INTELLIGENCE / PRECEDENCE RESEARCH / GLOBAL MARKET INSIGHTS / FUTURE MARKET INSIGHTS

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COMPETITIVE

STRENGTHS IN TECHNOLOGY & INGREDIENTS.

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Low-molecular-weight plant-based peptides, Mass-produced with standardized quality.



01

Plant-Based Peptide Development

Designing functional peptides for targeted applications



02

Enzymatic Hydrolysis

Core low-molecularization process



03

Fermentation & Purification

Securing high-purity ingredients



04

Low-Molecular-Weight Standarization

Molecular-weight and marker-compound specifications



05

Functional Ingredient Platform

Expansion across multiple categories



06

Quality Management System

Consistent COA · SPEC · Certification

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VC-H1®

The World's First Plant-Based Collagen Booster

Low-molecular-weight, high-absorption, high-purity peptide derived from hibiscus

VC-H1® combines exceptional antioxidant activity with superior absorption to support visible skin improvement. Derived from certified organic raw materials, it is a clean, health-conscious ingredient without the characteristic odor associated with animal-derived ingredients.

Hibiscus-Derived Plant-Based Collagen Booster

Low-Molecular-Weight · High Absorption · High-Purity Peptide

316 Da
Low-molecular peptide weight

57,010 ppm
Antioxidant content — 6× higher than fish collagen

MECHANISM

Boosts production, blocks breakdown

Activates TGF-β1 to promote collagen synthesis while inhibiting MMP, an enzyme involved in collagen breakdown, thereby supporting skin elasticity and wrinkle reduction.

CLINICAL EVIDENCE

98 subjects · 12-week, double-blind study

A placebo-controlled trial confirmed significant improvements in skin hydration, elasticity, and under-eye wrinkles versus placebo.

DIFFERENTIATION

Higher absorption than animal collagen

Low-molecular structure absorbs quickly — a clean-label ingredient free of fishy odor, BSE and heavy-metal concerns.

APPLICATION

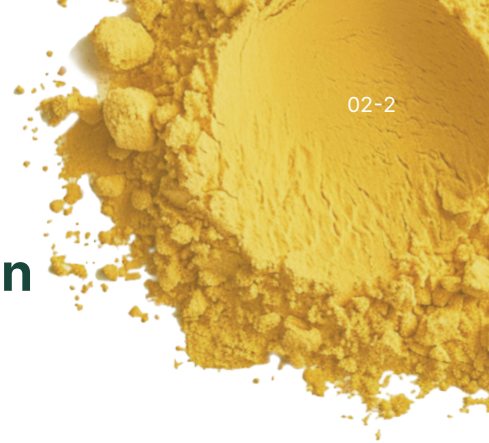
An anchor ingredient for inner beauty

Applicable across jelly, powder, liquid and tablet formats — from food to cosmetics.

PATENTS · CERTIFICATIONS · AWARDS

5 Manufacturing Patents
Halal · Kosher · Vegan · Non-GMO · Organic · GMP · HACCP · GRAS · ISO 9001 · ISO 22000 · ESG-ISO 14001 · ISO 37001 · ETC
SIAL Paris Grand Prix · ANUGA Japan · Vitafoods · TITAN · Expo FOODTECH

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VC-T1™

The World's First Clinically Proven Sarcopenia Solution

Curcuminoid-based functional ingredient derived from turmeric

Derived from turmeric, this natural ingredient contains 41% high-potency curcumin — the highest level available in South Korea. Proprietary nanoemulsion technology enables complete water solubility and increases bioavailability by up to 13-fold.

Turmeric-Derived Curcuminoids

Sarcopenia · Muscle Strength · Muscle Function

100 %
Water solubility via nanoemulsion

41 %
Globally Competitive, High-Potency Curcumin

MECHANISM

Activates the Nrf2 antioxidant pathway

Activates the body's Nrf2 antioxidant defense pathway, reducing free radicals and suppressing muscle damage and functional decline.

CLINICAL EVIDENCE

4 human clinical trials completed

The world's first sarcopenia solution proven through human trials for muscle strength, muscle function and memory improvement.

DIFFERENTIATION

Exceptional absorption design

Nanoemulsion technology achieves full water solubility, improving bioavailability by up to 13-fold while removing turmeric's natural bitterness and pungency.

APPLICATION

An ingredient targeting sarcopenia

A muscle-health ingredient for adults aged 50–85 with reduced skeletal muscle mass and strength, across health-food formats.

APPLICATION Tablet · Jelly · Capsule · Powder · Liquid formats · Individually recognized by South Korea's MFDS

1. Turmeric Extract Effects on Muscle(and grip) Strength and Antioxidant Markers in Healthy Adults
2. Turmeric Extract Efficacy on (Isokinetic Ankle)Muscle Strength and Physical Function in Sarcopenic Individuals
3. A randomized, double-blind, controlled human study evaluating the efficacy and safety of turmeric extract for memory improvement
4. A randomized, double-blind, controlled human study of turmeric extract (curcumin) for memory improvement

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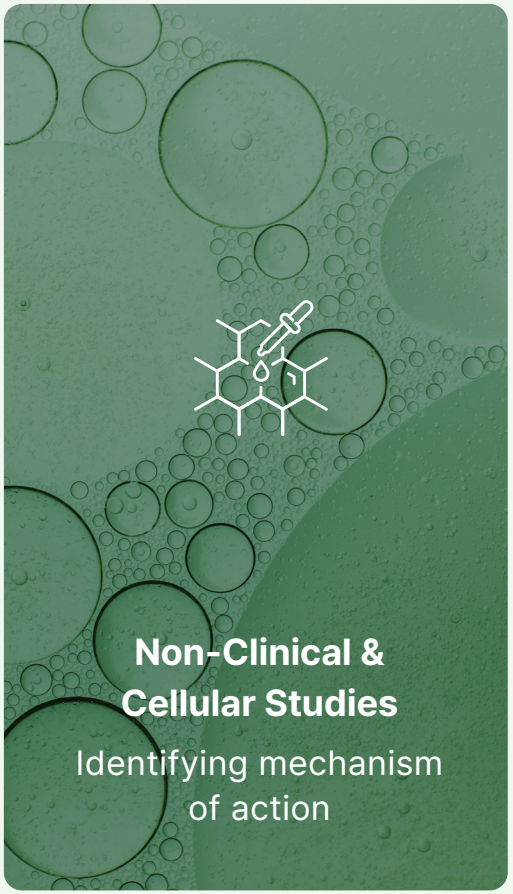
Building Trust with Data, Not Claims.

Human trial, non-clinical, mechanistic and safety data secured at every stage.



Human Clinical Trials

Verifying functional indicators



Non-Clinical & Cellular Studies

Identifying mechanism of action



Toxicity & Safety

Genotoxicity data



Papers & Patents

Turning research into intellectual property

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RAWGA’s Five Competitive Strengths

An integrated structure from technology to global commercialization creates barriers that competitors cannot easily follow.

01	TECHNOLOGY	Proprietary plant-based ingredient technology
02	EVIDENCE	Clinically grounded credibility
03	SCALABILITY	Mass production and expansion capacity
04	GLOBAL MARKETABILITY	Multi-market certifications and global distribution.
05	INGREDIENTS + FORMULATION	A structure designed from raw materials to finished products.

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ONE INGREDIENT, MULTIPLE REVENUE STREAMS

THE BUSINESS MODEL.

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One Ingredient, Multiple Revenue Streams

A single technology asset, VC-H1, expands into inner beauty, cosmetics, B2B and global markets.



PRODUCTIZATION

A vertically integrated structure spanning technology, ingredients, and finished products
Is the key to generate multiple revenue streams from a single asset.



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Portfolio

Finished products demonstrate the commercial potential and versatility of our ingredients.



















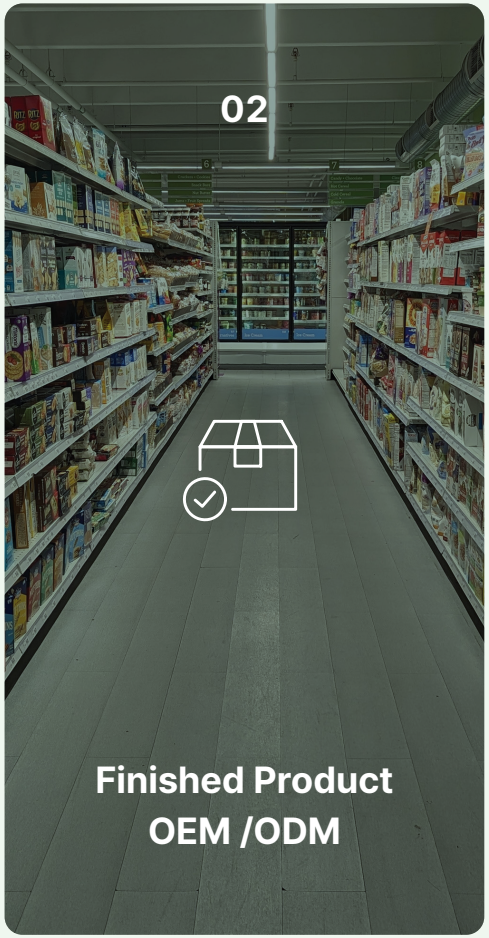


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Business Model

Not a single revenue stream, but four combined revenue sources.









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A Growing Global Footprint Across Export & Partner Markets



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EXECUTION & SCALE-UP.

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Manufacturing and Quality Competitiveness

We have established the ingredient production processes, quality management systems, supply chain, and large-scale manufacturing infrastructure to support commercialization.

01



Production Process & Capacity

Scalable ingredient production and capacity expansion plans

02



Quality Management

COA / SPEC and ingredient stability management

03



Applied Quality Standards

Compliance with food, health functional food, and cosmetic standards

04



Supply Chain & Sourcing

Raw-material sourcing structure and stability

Groundbreaking for the Sejong Bio Factory

On May 18, 2026, RAWGA broke ground on a 6,611m² bio factory in Jeondong-myeon, Sejong Special Autonomous City — establishing a stable production base of 1,500 tons per year and further strengthening R&D, ingredient production and productization capabilities.

① Improved production efficiency and cost competitiveness through expanded capacity
② GMP-grade production infrastructure, elevating RAWGA's position in the bio-ingredient market
③ Phased expansion spreading investment risk while keeping flexibility

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Regulatory Approvals and Global Compliance

Turning regulation in every market into a business strategy.
Managing global expansion risk with tailored market-entry pathways.

CLINICAL	SAFETY	MARKET ACCESS
		
Human Clinical Data Secured Verifying functional indicators through a global clinical roadmap	Toxicity and Genotoxicity Data Confirming ingredient origin and supporting clean-label quality standards	NDI · GRAS · FFC Regulatory Pathways Domestic individually recognized ingredient status, supported by market-specific labeling and claims strategies

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