

naturmega®

Smart lipids. Trusted science. Global impact.



Smart Lipids.
Trusted Science.
Global Impact.

Who We Are

A legacy of innovation,
long before we even started

Naturmega® was founded over 17 years ago, but our story began long before. We were born from the vision of a larger pharmaceutical group whose founders and board of directors placed **innovation at the center of everything.**

Even before **Naturmega®** existed as a company, our pioneers were already researching omega-3s and exploring how to deliver products with **higher concentrations, greater purity, and superior quality.**

That passion led to the creation of **the first advanced omega-3 facility with molecular distillation technology in Latin America.**

A milestone that **positioned Naturmega® as a regional pioneer in lipid science.**



From our headquarters in **Barranquilla, Colombia.** Strategically located near the Pacific **and some of the world's richest sources of omega-3.**

We now serve **leading health and wellness** brands in over

20 
countries

combining research, technology, and purpose to turn science into market-ready solutions.



Seven Spirals, One Purpose

Seven is a number of meaning. In Fibonacci numerology, it represents completeness, discovery, and harmony between knowledge and purpose.

In nature, it is the rhythm of growth spirals unfolding in shells, galaxies, and molecules alike.

For Naturmega®, seven is the foundation of our new identity.

The **seven spirals in our logo** symbolize change, transformation, and constant evolution.

They are not only part of our design, **but part of our DNA, seven forces that guide how we innovate, how we sustain, and how we partner.**

- 1 Applied Science**
Curiosity and research as the starting point of every solution.
- 2 In-House Process Technology**
Mastery of extraction and refining, with precision and traceability.
- 3 Expertise In Functional Lipids**
From omega-3 to phospholipids and molecular platforms, lipids are our craft.
- 4 Clinical And Regulatory Support**
Evidence that validates, strengthens, and builds trust.
- 5 Integrated Sustainability And Excellence**
Responsibility and performance working together.
- 6 Co-Creation With Global Brands**
Partnerships where innovation is born hand in hand.
- 7 Impact On Health And Human Well-Being**
Our ultimate goal: to transform lives in ways that are real and measurable.

Our Purpose

Redefining Lipids For A Healthier World

We exist to **connect innovation with impact**, transforming science into advanced lipid ingredients that **empower health and wellness** brands to improve lives.

One drop at a time

We move closer to a healthier future. **Every drop represents precision, purity, and progress**, proof that small changes at the molecular level can create a **big impact for people and the planet**.



Every lipid tells a story

A story of innovation, of sustainability, of human ingenuity. At **Naturmega®**, **we redefine these building blocks of life into smarter, more efficient forms**, unlocking their potential so that our partners can deliver **better nutrition and better health to the world**.

Health begins with a molecule

From the tiniest structures of life, **we create technologies** that redefine absorption, purity, and sustainability.






By **innovating at the molecular level**, we enable real, measurable benefits that ripple outward, from individuals to communities to ecosystems.



What Are Lipids?

The essential building blocks of life

Lipids form cell membranes, regulate critical biological functions, store energy, and power life.

-  Brain performance
-  Cardiovascular protection
-  Prenatal development
-  Visual health
-  Hormonal balance

At **Naturmega®**, **we see lipids** not only as nutrients, but as **opportunities to advance global health**.

We began with an obsession:

How to bring better omega-3 concentrations to the market, with higher purity and better performance.

Today, we continue that mission, but we go further moving beyond **omega-3** into the next **generation of lipid science**.



The Origin of Omega-3: From the Inuits to the World



The modern **omega-3** story begins with observations in Inuit populations. Despite diets rich in fat, cardiovascular disease was rare.

Research revealed the key was their consumption of fatty fish and marine mammals, rich in **EPA and DHA**.

This discovery sparked decades of scientific research and more than 40,000 publications confirming **omega-3's essential role in human health**.



Naturmega® honors this legacy by going further.

From that first discovery to today, our mission has been to **take what nature provides and redefine it through science**.

Delivering solutions with higher purity, better absorption, and greater sustainability.

The Global Omega-3 Gap

The most studied nutrient, still underserved

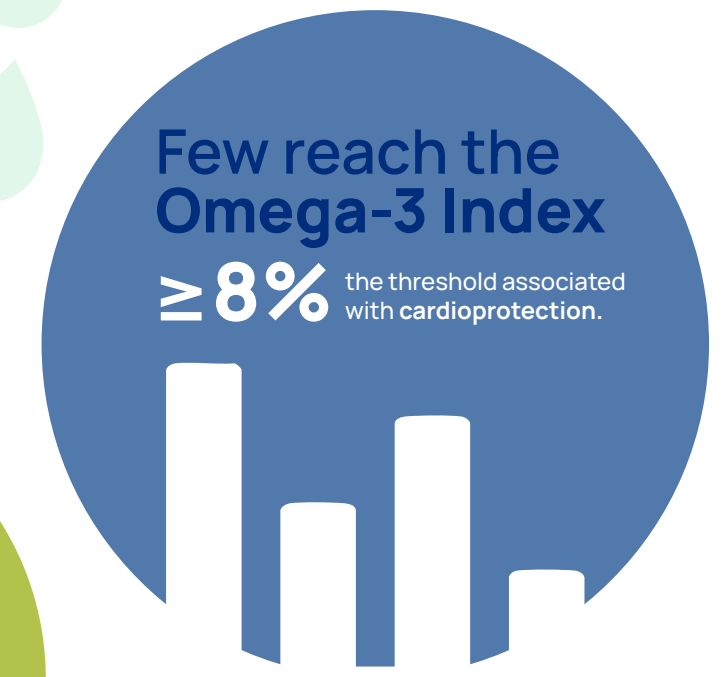
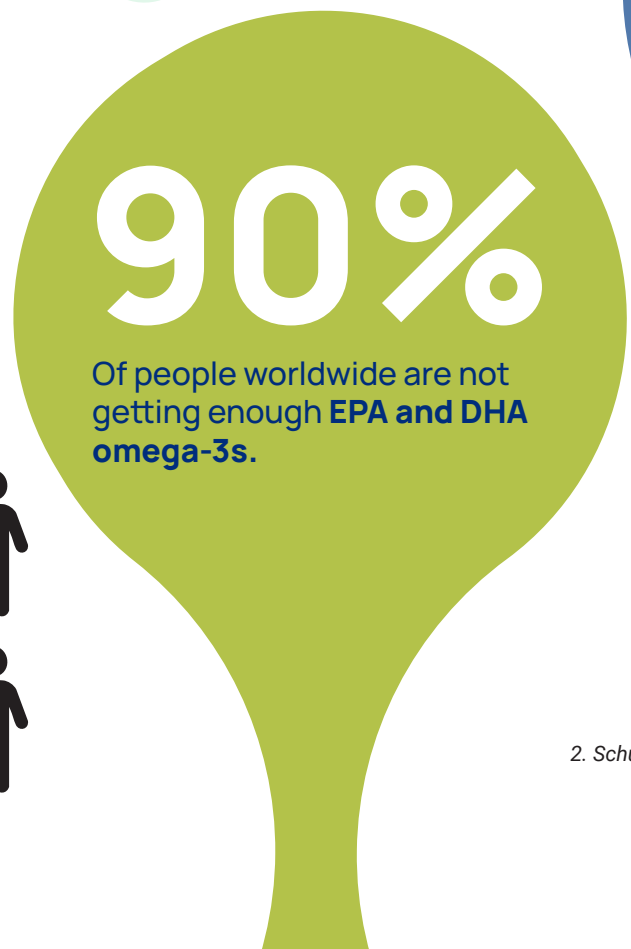
Omega-3 fatty acids **EPA and DHA** are proven to support cardiovascular, cognitive, visual, prenatal, and overall health. Yet intake remains critically low.



According to **GOED**

**Only
1 in 10**

people worldwide **consumes adequate omega-3**.



At Naturmega®, we are committed to closing this gap.
Addressing this global deficiency is at the heart of our mission.

1. <https://fatsoflife.com/infographics/post/global-omega-3-status-map>
2. Schuchardt JP, et al. Omega-3 world map: 2024 update. Prog Lipid Res. 2024 Jul;95:101286. doi:10.1016/j.plipres.2024.101286.

How We Redefine Lipids

Transforming science into impact

Strategic location

Near the Pacific and some of the richest **omega-3 sources in the world**, ensuring premium raw materials and traceability.



Sustainable innovation

Algae-based omega-3s, offering clean-label, vegan and environmentally conscious solutions.



Technological leadership

Pioneers in molecular distillation and the first company in Latin America to launch supercritical fluid fractionation, delivering unmatched purity and efficiency. Our proprietary technologies including **Ruby-O®**, **BPL-O3™**, **EssentiOmega® Nova**, and **Algalis™** power a diverse portfolio designed to meet global health needs.



Certified excellence



We do not just deliver lipids, we redefine them

Our Technology, Our Advantage

Naturmega® has always pushed the boundaries of what is possible in **lipid science**.

From being the first in Latin America to **introduce molecular distillation**, to now leading with supercritical fluid fractionation, we pioneer technologies that set new standards for **purity, sustainability, and innovation**.

Supercritical Fluid Fractionation CO2

The first facility of its kind in Latin America, achieving **higher selectivity, cleaner processes, and unmatched purity**.



Clean Lipids purification

A proprietary process that eliminates persistent organic pollutants, ensuring **maximum safety and quality**.



Plant-based innovation

A new **algae line producing vegan omega-3s**, addressing the growing demand for sustainable, clean-label nutrition.



Molecular distillation at scale

Expanded to ~1,600 MT, with decades of expertise in refining and concentrating.



Biotechnology for next generation lipids

Enzymatic processes and biocatalysis that open the door to **new molecular structures** and functional lipid platforms.



Future ready infrastructure

Expanded storage capacity (+50%) and agile logistics to ensure global reliability.



Our technology is more than equipment. It is the expression of our purpose to transform lipids into ingredients that inspire trust, enable innovation, and deliver measurable impact for brands and consumers worldwide.



The innovation center

At Naturmega®, innovation is not a department, it is the heart of who we are. Our Innovation Center is where molecules turn into meaning, and where science becomes solutions.

It is the hub that brings together biotechnology, clinical science, and market intelligence to create lipid technologies that redefine health.

From lyso-phospholipids to nutraceutical delivery systems, our expertise spans advanced phospholipids, fatty acids, and synergic blends. Here we design the molecules of tomorrow, building functional lipids with enhanced bioactivity, absorption, and stability.



Behind our science is a network of global expertise. International scientific advisors, medical committees, CRO collaborations, and universities provide clinical and preclinical validation. Together, they strengthen the evidence base that supports every innovation we bring to the market.

Our pilot plant is the playground of biotechnology. Enzymatic biocatalysis, supercritical fluid extraction, chromatography, fractionation, crystallization, and molecular distillation all mastered in-house to test, refine, and scale new processes with full control and traceability.

Innovation does not happen in isolation. Our dedicated team tracks global market trends, business intelligence, consumer insights, and regulatory shifts. This knowledge ensures that every technology we design is not only scientifically advanced, but commercially relevant.

Ideas become reality in the form of applications and prototypes. From emulsions and powders to gummies, liquids, and soft capsules, our formulations demonstrate how Smart Lipids can be integrated into real-world delivery systems, ready for brands to scale.



Applications in Action

Our Innovation Center is not just about discovery it is about transformation. It is where Ruby-O® was born as a patented BPL-O3™ technology. It is where Algalis™ is being optimized for new clean-label applications. And it is where every new lipid platform is tested for efficacy, sustainability, and consumer experience.



Our Promise

For our partners, the Innovation Center is more than a laboratory. It is a collaborative space, a source of prototypes and clinical evidence, and a bridge between science, technology, and brand ambition. This is where the future of lipids is being shaped one molecule at a time.



Sustainability & Responsibility

Metrics that matter, innovations that make them possible

At **Naturmega®**, sustainability is not separate **from innovation it is driven by it**. Every technology we create is designed not only to improve human health but also to lighten our **footprint on the planet**.



Through process optimization and **biotechnological innovation**

we use **13%**

less raw material while **achieving 4% higher productivity**, proving that efficiency and responsibility can move forward together.

We have reduced our use of fish oil by

76%

easing pressure on marine ecosystems.



This is thanks to the **Ruby-O®** platform, which delivers superior absorption **and clinical results with less raw material**, fewer doses, and higher efficiency.

**Source: Naturmega Internal Data, 2025*

Our **CleanLipids™** purification technology eliminates persistent organic pollutants.

Guaranteeing maximum **safety and purity while** minimizing environmental impact.



We have cut the **carbon footprint of every dose** by

65%



Avoiding nearly **91 tons of CO₂ in a single production cycle**. This achievement is enabled by our supercritical fluid fractionation technology, which replaces harmful solvents with **clean CO₂** and **recycles it back into the process**.

With supercritical processes, we capture and reuse over **20 tons of CO₂ annually**, transforming what would be waste into a **valuable resource** for continuous production.

But responsibility does not stop at technology. It extends to the **people and communities around us**.

Through volunteering initiatives and local development programs, we invest in education, skills training, and social **well-being** ensuring that the **communities who grow with us also thrive with us**.

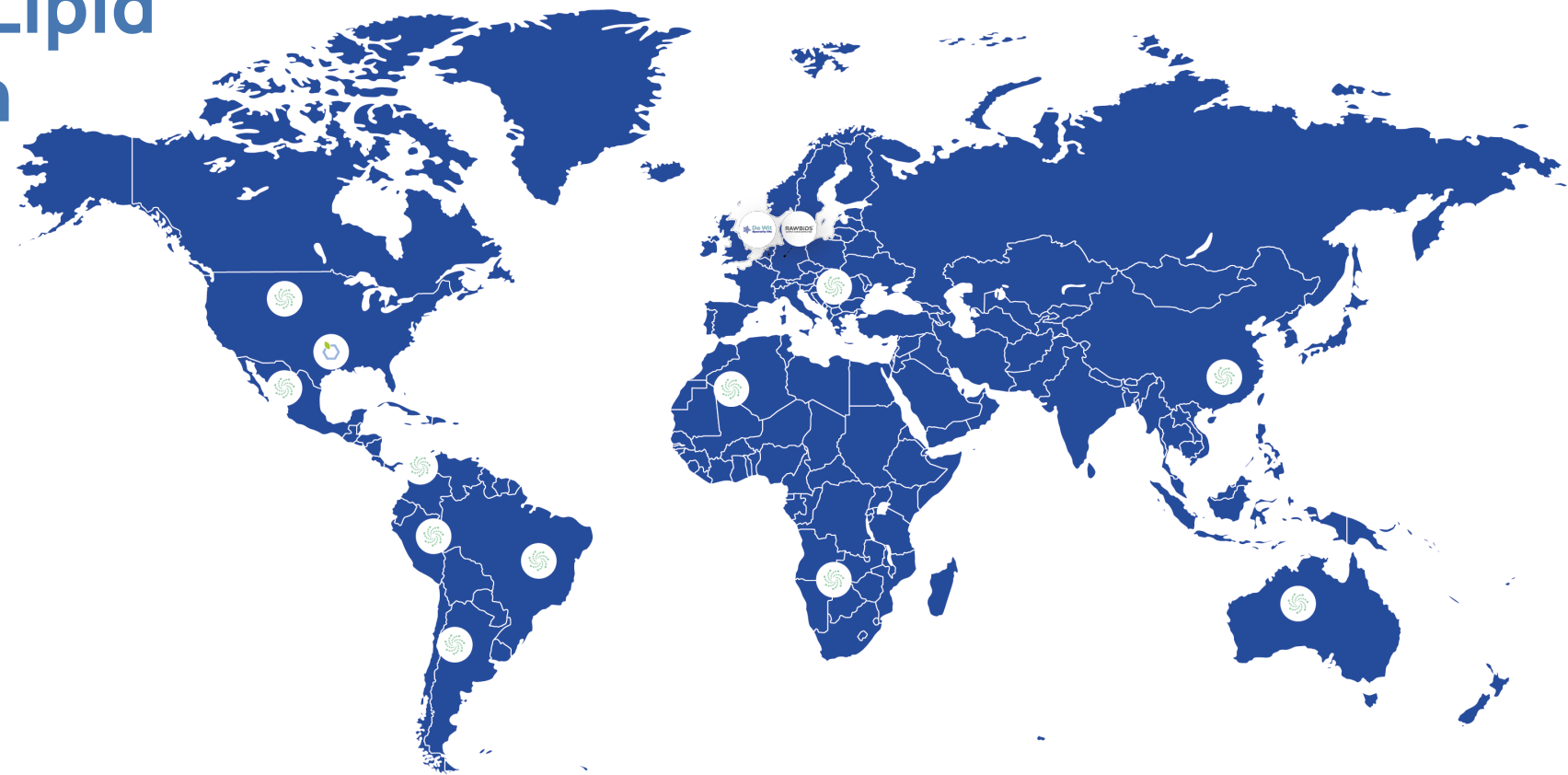


These commitments align with the **United Nations Sustainable Development Goals, Health and Well-being, Industry and Innovation, Responsible Consumption, and Life Below Water**, and are validated by certifications including **Ecovadis, Friends of the Sea, V-Label, ISO, GMP, and HACCP**.

For **Naturmega®**, sustainability is more than compliance. It is innovation in action, a responsibility we embrace, and a promise **we live one lipid, one technology, one community at a time**.

A Global Network, United by Lipid Innovation

Present in more than
20 countries through
offices, distributors,
and strategic partners
in the US, Europe,
Asia, and Latin
America.



RAWBiDS
SUPPLY CHAIN SIMPLIFIED

De Wit
Specialty Oils

ORIGINATES

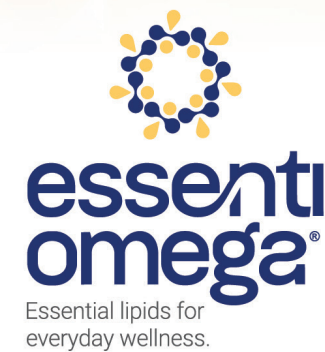


Smart Lipids.

Trusted Science. Global Impact

From omega-3 to next-gen lipids:

a portfolio of solutions tailored
to every application





A portfolio of **refined and concentrated** fish oils with consistent quality, customizable **EPA/DHA ratios**, and reliable sourcing.

Ranges from **18/12 TG (160 EPA / 100 DHA / 300 total)** to **550/250 EE (850 total)**. Medium and high concentrates across **TG, EE, and FFA**.



Flexible EPA/DHA ratios, cost-effective, reliable quality, globally certified.



Everyday **omega-3 solutions** for cardiovascular, brain, eye, and general wellness.



Highest purity and potency, reduced capsule count for consumers, premium positioning.



Clinical strength performance, pharmaceutical or high-end nutraceutical markets.



Ultra-pure, validated by certifications, advanced purification processes.



Ultra-concentrated omega-3s (>70%), designed for premium and pharmaceutical-grade applications.

Up to **550/250 EE (850 mg/g total)**, available in **TG and EE forms**.



Sustainably from nature.
Perfect by science.



100% vegan, sustainable,
suitable for clean-label and
plant-based positioning.



Vegan, environmentally conscious,
allergen-free omega-3.

Clean-label **omega-3 DHA**
oils sourced from microalgae,
V-Label certified, fully
traceable and sustainable.

DHA concentrations from **400**
to 800 mg/g, including rTG
formats.

ruby-O®

Next-Gen Enhanced Omega-3.

Ruby-O® is a bonded phospholipid
omega-3 platform (BPL-O3™), designed
for **superior absorption, stability, and**
versatility. A molecular innovation that can
also carry synergistic bioactives.



Superior bioavailability, clinical backing,
lower dose with higher effect, **unique**
molecular flexibility.



Advanced performance in heart, brain,
vision, prenatal, women's, and sports
health.



Clinically validated absorption,
patented technology, sustainable
innovation.



Ruby-O® Prenatal (EPA 400 / DHA 250 /
Phospholipids 330 mg/g)



Ruby-O® Neuro (EPA 400 / DHA 260 /
Phospholipids 340 mg/g)



Ruby-O® Cardio (EPA 400 / DHA 180 /
Phospholipids 310 mg/g)



Ruby-O® Balance (EPA 400 / DHA 160 /
Phospholipids 320 mg/g)



Ruby-O® Plant-Based (EPA 300 / DHA 400
/ Phospholipids 400 mg/g, algae source)



naturmega®

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