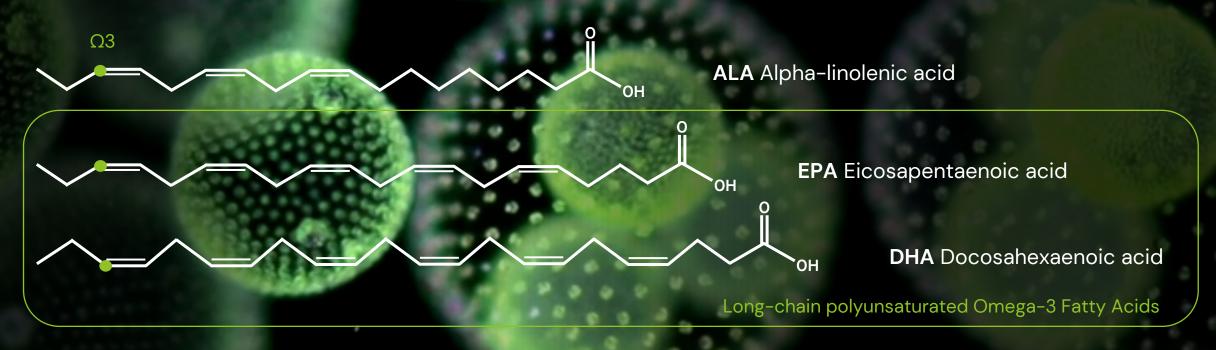
Omega-3 Fatty Acids the powerful allies to our health



What are Omega-3 Fatty Acids?





A very good fat, polyunsaturated and essential



Critical to overall health and well-being at all stages of life



Includes **EPA + DHA**, scientifically proven for **brain**, **vision**, **heart**, and **overall health**. Conversion of ALA into EPA and DHA is only limited



Fish Oil Omega-3 has provided essential nutrients for centuries

Science-backed health benefits are well documented.



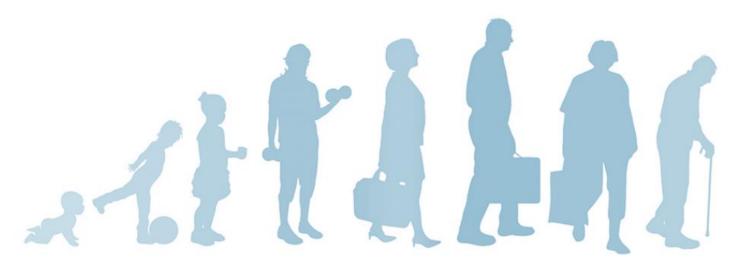


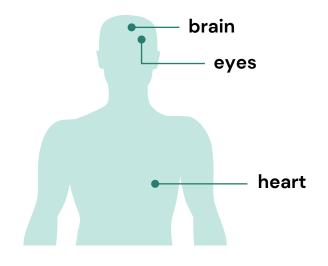




EPA+DHA Omega-3 fatty acids are essential

across the body, across the life span





Health claims granted by EFSA

DHA intake contributes to the normal visual development of infants up to 12 months of age.

DHA
maternal intake
contributes to the
normal
development of
the eye of the
foetus and
breastfed infants.

DHA
maternal intake
contributes to the
normal **brain development** of
the foetus and
breastfed infants.

DHA and EPA contribute to the maintenance of normal blood pressure.

DHA and EPA (and DHA alone) contribute to the maintenance of normal blood triglyceride levels.

DHA contributes to the maintenance of **normal vision.**

EPA and DHA contribute to the normal function of the heart.

DHA contributes to the maintenance of normal brain function.

From a public health perspective, at least 250 mg of EPA and DHA per day is recommended for adults

Recommendations for Omega-3s EPA+DHA		
FAO ¹	Children 2–18 y	Body weight-dependent
	Adults	250 mg
EFSA ²	Children 2–18 y	250 mg
	Adults	250 mg
	Pregnant & lactating women	350-450 mg
Global expert panel ³	Pregnant women (deficient)	600-1000 mg#

EPA+ DHA or DHA



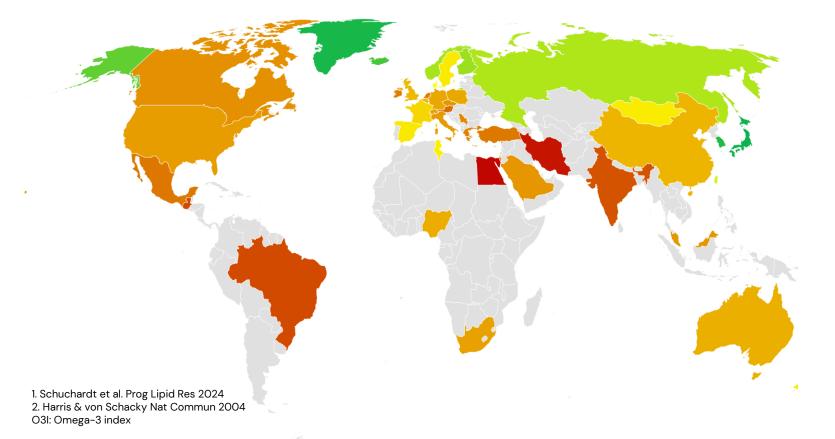
^{1.} The Joint WHO/FAO expert consultation on fats and fatty acids in human nutrition Report of an expert consultation 2008

^{3.} Panel represented six international medical-scientific associations; Cetin Am J Obstet Gynecol MFM 2024

Globally, low Omega-3 fatty acid levels indicate that underconsumption is common

94% of the global population is insufficient and 47% is deficient





Mean Omega-3 Index (%)

10 >8% optimal

6 to 8% mildly insufficient

4 to 6% moderately insufficient

■ 2 ≤4% deficient

Omega-3 Index Levels²

- >8%: Associated with better heart health and overall wellbeing
- 4-8%: Moderate risk
- ≤4%: Deficient, high risk for cardiovascular disease

dsm-firmenich •••

Omega-3 fatty acids provide a lifetime of health benefits

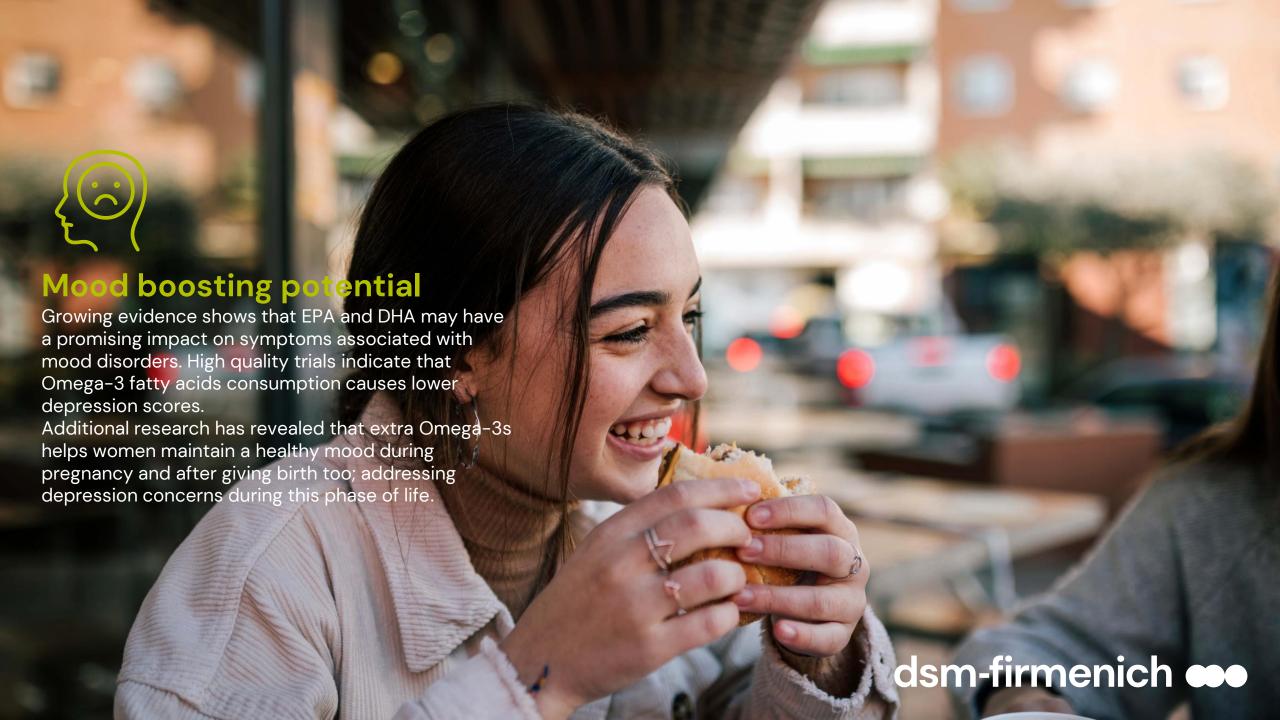
Besides the well-known benefits of Omega-3s for heart, brain and eye health, EPA and DHA can address a broad spectrum of other wellness concerns.







dsm-firmenich











A winning ingredient for sports performance

Omega-3s deliver many benefits for key aspects of sports performance, including muscle recovery after physical activity.
Cardio-respiratory fitness (the ability of the circulatory and respiratory systems to supply oxygen to skeletal muscles during sustained exercise) is another area that benefits from Omega-3 intake. Here, EPA and DHA help to decrease heart rate and oxygen consumption during physical activity, and further research shows that they may improve heart rate recovery after exercise too.



Science quickly advanced. Technology as well!

Going straight to the source: algae

We were used to eating fish to get the amount of Omega-3 we need but fish don't make Omega-3s. They get them from the microalgae they eat. And so can we.

The pioneer of Omega-3 algal oils

dsm-firmenich has a proud heritage as Martek Bioscience

► Early 80s

NASA scientists discovered the oceans' abundant microalgae is a rich source of DHA

1985

our labs have been built on that research to pioneer using algae-based DHA Omega-3s in baby milk

► Till today,

250 million babies worldwide have grown up consuming *life'sDHA®*



Sustainable 100% sustainable Trusted
Trusted source
of DHA

Tested

Most studied Omega-3 algal DHA in the world

Successful

Unrivaled track record



Safe

Made in a tightly controlled environment

Innovative

A first of it's kind algal DHA Natural

Naturally free from contaminants

The history continues

After screening more than 500 algae strains, dsm-firmenich scientists isolated a strain producing both EPA and DHA.



life's®OMEGA

the first and only commercially available plantbased Omega-3 that delivers the benefits of both EPA and DHA in a single quality source while letting marine ecosystems and fish populations recover



From Algae, Not from Fish No Marine Contamination



EPA & DHA From Single Strain



Water Extraction No Use of Ethanol 230+

of Patent



There are 7.7 billion people on this planet expecting to rise to 9.8 billion by 2050



94% of people do not get enough Omega-3 (≥250mg) from their daily diet



Fish supply is not limitless: 1/3 of fisheries are overfished and 2/3 are at their maximum sustainable yield

There's not enough Omega-3 from **fish** to feed the world's growing population **now** and in the **future**

dsm-firmenich •••

life's® portfolio of Omega-3 algal oils

a limitless, sustainable and ocean-friendly supply of Omega-3

dsm-firmenich expertise as a climate, nutrition and health leader to go straight to the source: algae

A limitless source of Omega-3 to bring their multiple benefits to an even greater number of people around the world



Do you have questions or want to continue the conversation? Get in touch!

Please contact Elisabetta Nisoli, elisabetta.nisoli@dsm-firmenich.com

We bring progress to life