



IQI product leaflet

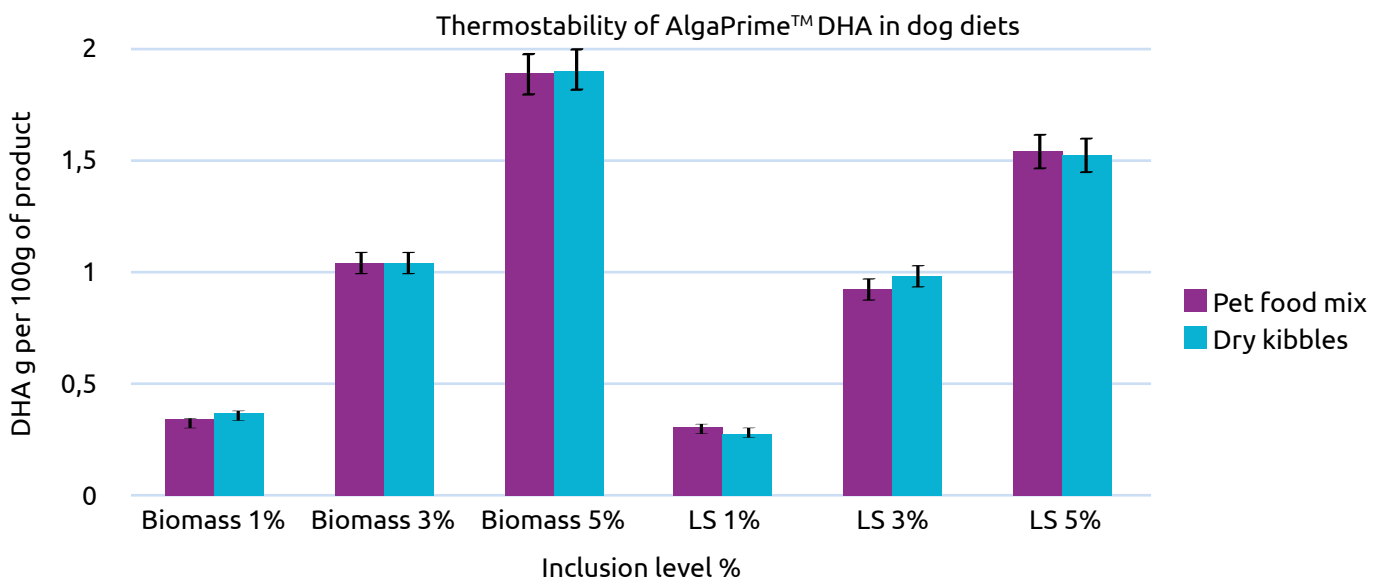
AlgaPrime™ DHA P3

Praised for their numerous health benefits, algae have become a trusted and mainstream source of long chain omega 3. IQI Trusted Pet Food Ingredients aims to serve pet food manufacturers the best algae products available in the market. Therefore, IQI now offers AlgaPrime™ DHA P3, a highly concentrated and sustainable algae biomass powder for a wide variety of pet food applications.

AlgaPrime™ DHA P3 is highly efficient in accessing and using long-chain omega-3 and natural antioxidants thanks to its high DHA level (min. 35%) makes. Our partner Corbion produces the powder with very large scale closed fermentation systems in just a matter of days, without any risk of contamination – resulting in an exceptionally consistent, algae biomass product that benefits pets with healthy brains, heart, kidneys, skin and coat, vision, and joints.

High DHA recovery rate

As a recent study shows, AlgaPrime™ products also stand out for their high DHA recovery rate after extrusion as part of the pet food processing. After adding the product in 1, 3, and 5% inclusion rates to a dog diet formulation, samples were taken after mixing (pet food mix) and post-extrusion (dry kibbles) and analyzed using gas chromatography to evaluate the DHA thermostability. The results showed no indication of change in the DHA composition during pet food production.



Rapidly increasing demand

Market research indicates that algae-based omega-3 is rapidly capturing the heart of pet parents. Almost three quarters (70%) of them point to omega-3 as the number one ingredient they want to find in their pet food, while some 65% said they are (very) likely to buy pet food with algae-based omega-3 DHA. In order to meet this clearly growing demand in omega-3 as a pet food ingredient, algae is needed as an extra source in addition to fish.

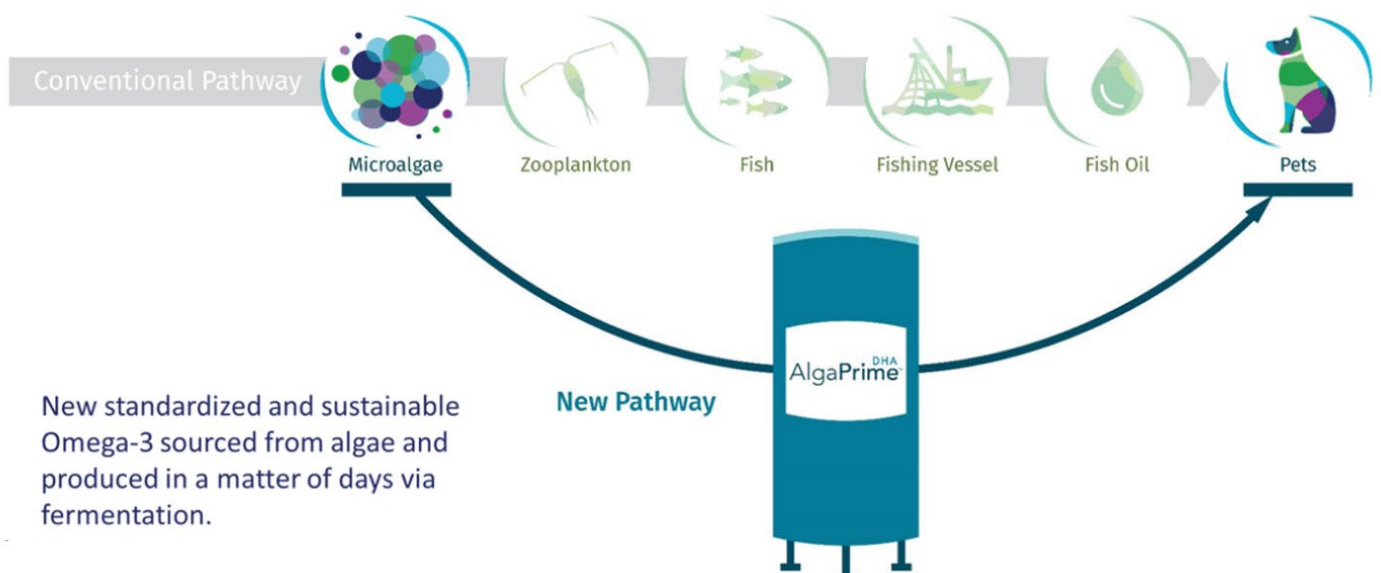
Applicability and availability

The dried biomass version of AlgaPrime™ is suitable for numerous pet food applications – ranging from dry foods and snacks, such as kibbles, to wet foods and even injection molding. The product format allows nutritionists and developers to work with higher DHA inclusions for added nutritional value. Because there are no constraints of seasonality and changing climate conditions, the product is available year round.

Low carbon footprint

Measurements on the production of AlgaPrime™ show that the efficient production process and the use of sugar cane residues for energy result in a low carbon footprint. By growing algae with an industrial-scale precision fermentation technology, Corbion makes nature’s original and rich source of omega-3 accessible while reducing pressure on marine sources. Omega-3 from AlgaPrime™ has 38% lower global warming potential than average fish oil (expressed per kg Omega 3)

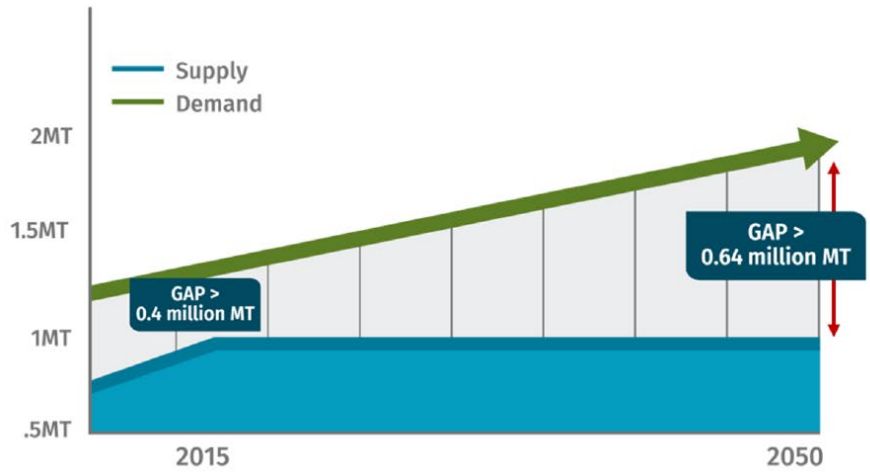
New Omega-3 Sources From Algae



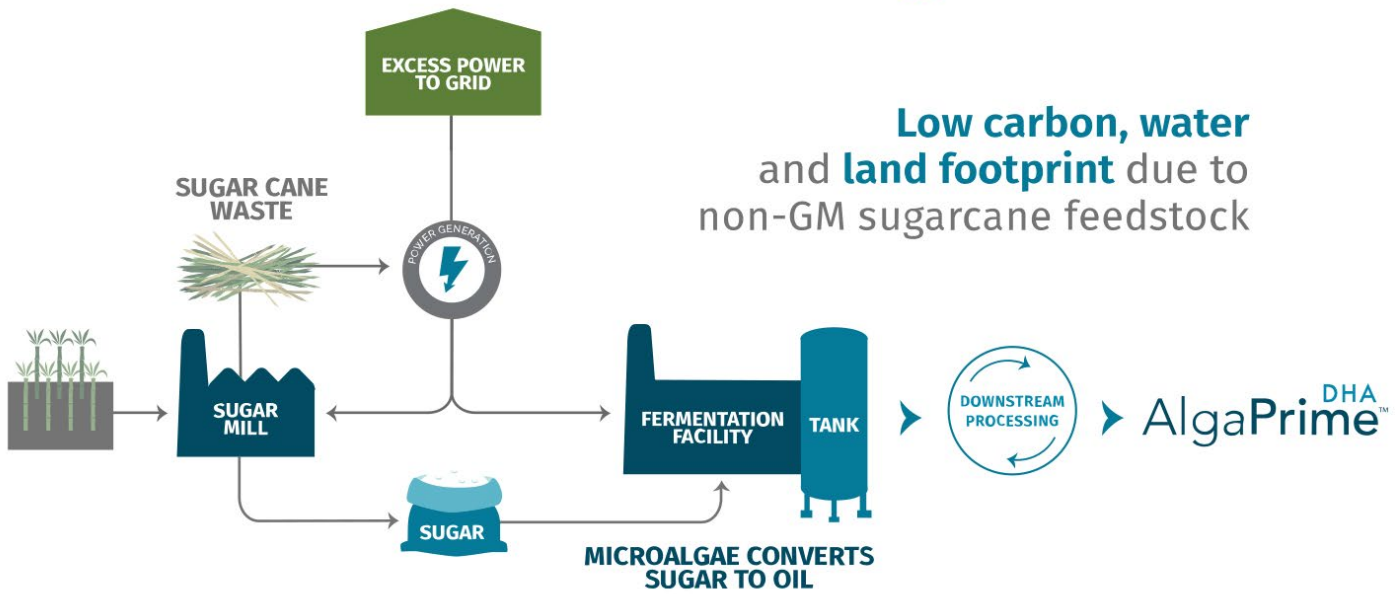


New sources of omega-3 are needed to responsibly grow Pet nutrition.

Fish Oil (in millions per year)

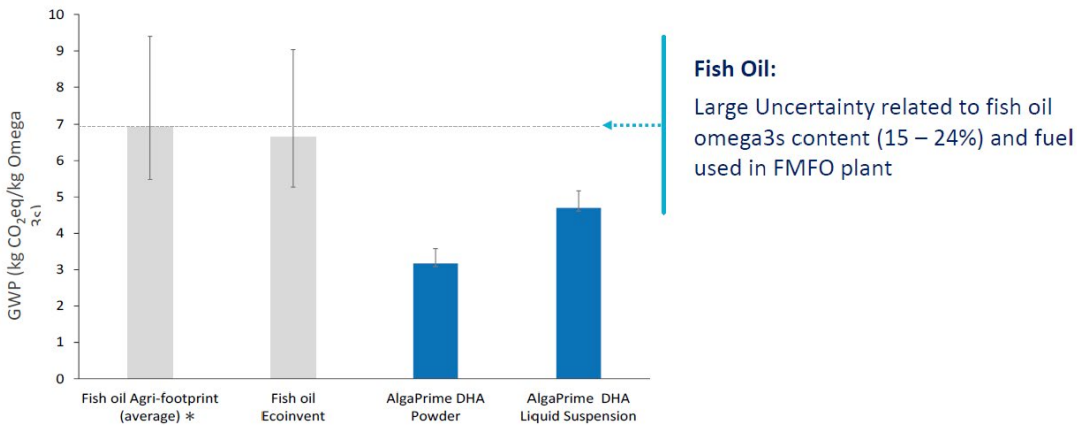


Microalgae production powered by renewable energy



Focused on not impacting the diet's carbon footprint; Omega-3s from AlgaPrime™ DHA have a lower carbon footprint than average fish oil

AlgaPrime™ DHA life cycle assessment



Disclaimer

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