



## ADVANTIOX

### NATURAL TOCOPHEROLS SOLUTIONS

As consumers increasingly demand natural products, more critical is the need for powerful natural antioxidants that eliminate the need for synthetic materials and enable differentiation.

Advantiox is a natural solution to protect oils and fats from unwanted rancidity that negatively affects the smell, taste, color and shelf life of finished products.

Oxidation and rancidity is typically associated with oils and fats, however any food with lipid content is susceptible, in particular where the finished products are subject to long shelf lives.

Thus, foods with a very low lipid content, such as cereals, are also affected in their smell and taste due to the effect of oxidation, easily perceived by customers and potentially affecting repeat business and brand positioning.

The color of a consumer product can also deteriorate, as occurs in some vegetables and seafood, generating a rejection in the consumer.

The antioxidant action of tocopherol helps to avoid the oxidative deterioration of finished products and prolong their intended qualities until the moment of consumption.

Rich in d- $\gamma$ - and d- $\delta$ -tocopherols, Advantiox has a high capacity to capture oxidative radicals in vitro, postulating itself as a very effective antioxidant to protect many oils and fats from oxidation, and in combination with other synergistic antioxidants we provide solutions for very specific fat matrices in sectors such as Food, Pet Food and Cosmetics.

#### ADVANTIOX HIGHLIGHTS

- > All-natural mixed tocopherols
- > Non-GMO: Hard IP certification at individual lot level
- > Kosher and Halal certified

## USES AND PERFORMANCE

### ORIGIN

Traditionally, natural tocopherols are obtained mainly from soybeans, one of the most widespread crops in the world, which allows us to propose efficient natural solutions for those manufacturers who want to eliminate synthetic antioxidants in their formulations.

- Soybean – All natural.
- IP Soybean – lot by lot traceability for Non-GMO all the way to the seed, the most rigorous programme in the market.

### SUSTAINABILITY

- Upcycling: We produce our materials starting from a byproduct produced in an essential industry such as vegetable oil.
- No additional agriculture or primary processing takes place to produce our materials.
- All our side streams are sold into industries that further process and take advantage of the materials for other finished products.
- With plants in Argentina and Spain, our geographic proximity to suppliers and customers also means reduced environmental footprint.



# TRACEABILITY

At AOM we submit to the most rigorous control system to certify our IP traceability from the seed to our final product. With our acronym "IP" (Advanatiox IP) we define the strictest traceability control known in the market. It consists of identifying which seed each batch we produce comes from on a lot by lot basis, since genetic manipulation is only detectable in the seed protein by PCR analysis.

		ADVANTIOX All-Natural	ADVANTIOX IP Non-GMO Certified
FEATURES	All-Natural	✓	✓
	Non-GMO		✓
FORMATS & APPLICATIONS	Fat-soluble oil	Oils & Fats Snacks Petfood / feed	Oils & Fats Snacks Confectionary Personal Care Petfood / feed
	Spray-dried powder	Dry Mixes / Dough Preparations / Dehydrated Foods	

## AOM, THE ONLY PRODUCER WITH THE FULL RANGE OF TOCOPHEROLS

Continuing our efforts in the production of differentiated tocopherol products, AOM has pioneered the development of new sources of raw material.

Starting from the soybean range in our early days of production, we have become the only manufacturers in the global market to offer the full range of tocopherol sources commercially available. This also allows us to produce custom blends with the optimum tocopherol profile for our customers applications:

Tocopherol Content (*)	Advantiox 70 and Advantiox 70 IP	Sun E 900	Nutripherol 70
Alpha	6.0 - 14.0%	60.4 - 63.8%	29.0 - 39.0%
Beta-Gamma	41-45%	06.-8%	30.2-41.5%
Delta	15.0 - 19.0%	0.1 - 2.0%	0.5 - 4.0%

(\*) Based on 70% total tocopherol concentration.

## ABOUT AOM

Advanced Organic Materials is a leading producer of valuable nutritional ingredients and antioxidants derived from natural sources, offering tocopherols from a full range of sources, custom blends for application-specific tocopherol profiles, as well as our range of plant sterols used across multiple industries worldwide.

For more information about our products and solutions, please contact us:

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