



# PLUS 20 ANTIOX

## HIGHLY EFFECTIVE AND STABLE OILY ANTIOXIDANT BLEND

**PLUS 20 ANTIOX** is an oily antioxidant made from BHA, BHT, and citric acid, incorporated into vegetable oil. Thanks to the excellent compatibility and positive interaction of its components, it enhances its antioxidant and protective capacity on fats, oils, oily formulations, and marine, plant, or animal-based meals, ensuring an optimal shelf life. This product has been specially designed for use in raw materials and finished foods intended for animal nutrition.

GUARANTEED ANALYSIS	UNIT	SPECIFICATION
<b>Physical and Chemical</b>		
Appearance	-	Yellow Oily Liquid
Odor	-	Phenolic
Moisture	%	0,5 Mx.
Density	g/cc	0.91 Min.
BHT Content	%	14 Min.
BHA Content	%	6 Min.
Citric Acid Content	%	2,0 Max.



### BENEFITS

- Improves oxidative stability.
- Synergistic combination of antioxidants..
- Extends the shelf life of raw materials and finished products.
- Prevents loss of nutritional value..
- Preserves pigment quality.
- Prevents the loss of fat-soluble vitamins..
- Maintains palatability.
- Prevents the loss of nutritional value.
- Thermostable.
- Optimizes production costs.
- Easy to incorporate into liquid substrates and ensures good distribution in fats and oils.



### PRESENTATION

- 20 kg Plastic drum
- 190 kg Drum
- Dynabox 900 kg



### SHELF LIFE

- 24 months from the date of production, under the recommended storage conditions.
- Keep the container tightly closed in a cool, dry place, protected from light. Avoid exposure above 45/50°C during storage.



### DOSAGE

- Fats / oils / feed: 500–2,000 g/ton added to the preparation while stirring gently.
- Meat, bone, and feather meal: 125–300 g/ton.
- Finished feed: 250–600 g/ton, or use as recommended by the responsible professional.

Produced and Packaged by SPES S.A.



[contacto@spes.com](mailto:contacto@spes.com)



[ventasnacionales@spes.com](mailto:ventasnacionales@spes.com)



[ventasinternacionales@spes.com](mailto:ventasinternacionales@spes.com)



(56-2) 24289500



[www.spes.com](http://www.spes.com)



Panamericana Norte 5299  
Conchalí, Santiago, Chile.

## PRODUCT DESCRIPTION

PLUS 20 ANTIOX is an oily antioxidant blend made from BHA, BHT, and citric acid incorporated into vegetable oil. Thanks to its excellent compatibility and synergistic effect, it enhances antioxidant and protective capacity in fats, oils, oily formulations, and marine, plant, or animal-based meals, ensuring an optimal shelf life.

Applications: raw materials, finished foods, animal feed—including meat and feather meals—and other animal or plant-based by-products.

## BENEFITS

- Prevents the loss of fat-soluble vitamins A, D, E and K.
- Preserves pigment quality.
- Maintains palatability.
- Prevents the loss of nutritional value; heat-stable.
- Extends the shelf life of raw materials and finished products.
- Synergistic combination of antioxidants.
- Excellent distribution in fats and oils.
- Contributes to highly profitable production.
- Improves oxidative stability.

## DOSAGE

- Fats / oils / feed: 500–2,000 g/ton in the feed before cooking.
- Meat and bone meal: 125–300 g/ton.
- Finished feed: 250–600 g/ton.

## PRESENTATION

20 kg Plastic drum / 190 kg drum / 900 kg Dynabox

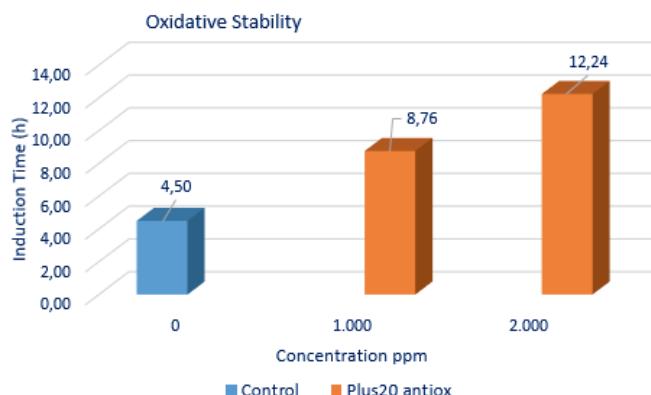
## SHELF LIFE

Shelf life: 24 months from the manufacturing date, under the recommended storage conditions. Keep the container tightly closed in a cool, dry place, protected from light. Avoid exposure above 45/50°C during storage.

## TECHNICAL DESCRIPTION

GUARANTEED ANALYSIS	UNIT	SPECIFICATION
<b>Physical and Chemical</b>		
Appearance	-	Yellow Oily Liquid
Odor	-	Phenolic
Moisture	%	0,5 Max.
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## OXIDATIVE STABILITY BY RANCIMAT IN FISH OIL



With the incorporation of 2,000 ppm of PLUS 20 ANTIOX in fish oil and evaluated through the RANCIMAT TEST, a significantly higher antioxidant protection rate is obtained—up to 300% compared to the oil sample without antioxidants—thus ensuring better shelf life and enhanced oil stability.



**SPES**  
TOMORROW IS TODAY

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