

Mixed Tocopherols

Advantiox 50 Non GMO OC

Product Code: 10150150

Version MEU

Description

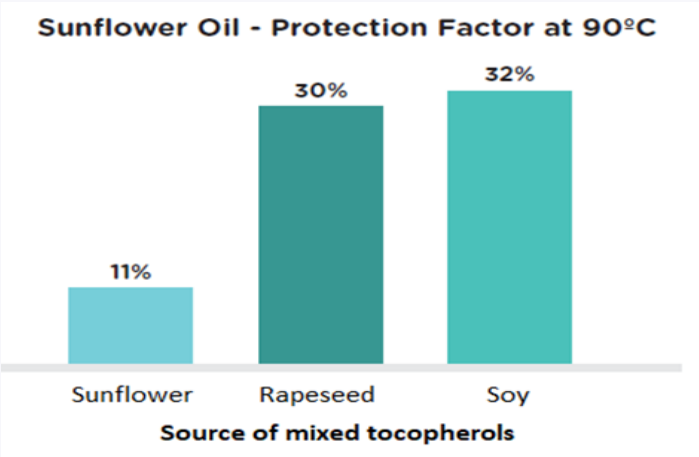
ADVANTIOX 50 Non GMO OC is a clear brownish red viscous oil with mild odor and taste characteristic of vegetable oil. It contains natural mixed tocopherols which are obtained from Non GMO soy and diluted to 50% with organic sunflower oil.

Ingredients

- Natural mixed tocopherols: Active substance; vegetable. INCI: Tocopherol.
- Sunflower oil: Carrier; vegetable. INCI: Helianthus annuus Seed Oil.

Cosmetic Function

Many cosmetic formulations suffer lipid peroxidation as one of the main limitations of shelf life. Thus, they need to be stabilized against the effect of oxygen. Soy derived mixed tocopherols serve this purpose especially well as they are rich in d-γ- and d-δ-Tocopherol.



With ADVANTIOX 50 Non GMO OC Advanced Organic Materials offers a unique quality of mixed tocopherols, isolated from hard identity preserved non-GMO soy and dissolved in organic sunflower oil.

Alone or in combination with synergistic co-antioxidants and chelators ADVANTIOX 50 Non GMO OC provides the most natural way to protect cosmetic formulations against oxidation.

Source and Manufacturing

ADVANTIOX 50 Non GMO OC is produced in a non-chemical, purely physical process under GMP, Codex Alimentarius conditions from Non GMO soy. FSSC 22000 certified. As a member of the round table on responsible soy (RTRS), Advanced Organic Materials thereby is fully committed to the principles of environmental responsibility and good agricultural practices. In addition, our raw materials are sourced from certified NON-GMO sources following the guidelines of our IP programs to avoid contamination with GMO materials during storage, transport, and production. These principles safeguard the high quality of ADVANTIOX 50 Non GMO OC.

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## Additional Ingredient Statements

Product is BSE/TSE free, Ethanol free, and Residual Solvent free. It does not require labeling declaration as being potential allergen. It does not contain palm oil and it is not palm oil derived. No animal or animal derivatives are used. It complies with Nagoya protocol.

The product is GMO-free according to certified Non-GMO Program.

Kosher and Halal certified.

The product is suitable for use to Organic Farming, and is approved for Organic Cosmetic under Ecocert, Cosmos and USDA Organic Standards.

## Use Information

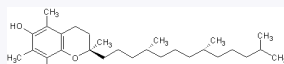
Used as a natural antioxidant in cosmetic industries, and personal care.

Tocopherols dissolve very well in oils and therefore shall be incorporated into the oil phase prior to the emulsification process. Depending on the oil the use level shall be between 0,10 - 0,30 % relative to fat content.

We suggest to carry out tests at different concentrations to determine most appropriate level for each specific case.

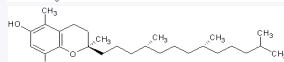
## Chemical Composition

d- $\alpha$ -Tocopherol (%): 6 - 12



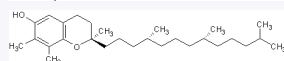
C<sub>29</sub>H<sub>50</sub>O<sub>2</sub> MW 431

d- $\beta$ -Tocopherol (%): 1 - 2



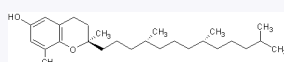
C<sub>28</sub>H<sub>48</sub>O<sub>2</sub> MW 417

d- $\gamma$ -Tocopherol (%): 27 - 35



C<sub>28</sub>H<sub>48</sub>O<sub>2</sub> MW 417

d- $\delta$ -Tocopherol (%): 10 - 14



C<sub>27</sub>H<sub>46</sub>O<sub>2</sub> MW 403

Slight variations of typical composition due to variability of vegetable oil feedstocks from tocopherols origin can occur.

## Solubility

Soluble in oils and fats. Insoluble in water. Sparingly soluble in ethanol, miscible with organic solvents.

## Packaging and Storage

Available in 9 kg & 18 kg plastic jerrycans, or 190 kg metal drums.

ADVANTIOX 50 Non GMO OC shall be stored in sealed containers, at room temperature and dry conditions, given that the product is sensitive to light, oxygen, high temperatures or alkaline environment. Keep container tightly closed; once opened use content quickly.

If stored appropriately in unopened containers ADVANTIOX 50 Non GMO OC has a shelf life of 36 months.

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**Regulatory Information****EU Cosmetic legislation (Reg. EC 1223/2009)**

Compliance statement available. Fragrance allergen statement available. CMR statement available. Product has not been tested on animals by or on behalf of AOM.

**EU chemical legislation ( Reg. EC 1907/2006)**

REACH statement available. PBT/vPvB information available. SVHC statement available.

Produced according GMP, Codex Alimentarius. FSSC 22000 certified. ICH Q7 GMP compliant.

Please ask for our Regulatory statement for further information on the global registration status of the product.

**Overview**

INCI	Tocopherol; Helianthus annuus (Sunflower) seed oil
Appearance	Clear brownish red viscous liquid
Cosmetic Function	Antioxidant
Assay	Min. 50% active
Origin	Vegetable; non-GMO soy & sunflower
Use Level	0.10 - 0.30 %
Regulatory Status	Europe, US, Japan, China, Australia, Canada
Certifications	Cosmos, Ecocert, USDA
Shelf Life	36 months

**DISCLAIMER**

This Product Data Sheet contains information based on our laboratory analysis. Advanced Organic Materials S.A. assumes no responsibility with regards to the suitability of the products for any specific purposes intended by the user. Recommendations for use and application of the product are given for information purposes. These suggestions do not release customers for conducting the necessary tests as suitability of the product is dependent on the characteristics of the intended process. The user of the product is solely re-sponsible for compliance with all laws and regulations applied to the use of the product, including intellectual property rights of third parties.

The information represent typical values, analytical methods are available at customers request.