



De Hekserij

De Hekserij
Sporstraat 57
8271 RG IJsselmuiden
The Netherlands

10540 - Tocopherol (Vitamin E)

1Doc: All available data that is not in the SDS and that is not batch specific.
Version 2 | 2025-12-17

Identity

Product : Tocopherol (Vitamin E) [Tocopherol (Vitamine E)]
Code : 10540
INCI name : TOCOPHEROL
EC number : 233-466-0
CAS number EU : 10191-41-0
CAS number TSCA : 10191-41-0

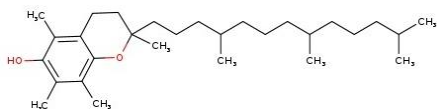
Customs information

HS code : 2936 2800
Country of origin : Spain

Identity check

Appearance at RT : Viscous, oily liquid
Colour : Slightly yellow to amber
Odour : Faint oily
Refractive index (20°C) : 1.503 to 1.507
Specific gravity (20°C) : 0.952 - 1 g/cm³

Chemical formulation



Additives

Preservatives : None
Antioxidants : The product itself is an antioxidant
Chelators : None
Buffering agents : None
Solvents : None

Impurities

Heavy metals : ≤ 10 ppm
As : ≤ 1 ppm
Cd : ≤ 1 ppm
Pb : ≤ 2 ppm
Zn : ≤ 10 ppm
Hg : ≤ 0.1 ppm
Fe : ≤ 0.5 ppm
Heptane (Residual) : ≤ 5000 ppm

Methanol (Residual) : <3000 ppm

Production / origin

Tocopherol is synthesized from a mixture of toluene and 2,3,5-trimethyl-hydroquinone that reacts with isophytol to all-rac-alpha-tocopherol, using iron in the presence of hydrogen chloride gas as catalyst. The reaction mixture is filtered and extracted with aqueous caustic soda. Toluene is removed by evaporation and the residue (all rac-alpha-tocopherol) is purified by vacuum distillation.

Composition

TOCOPHEROL : 100 %

Physicochemical specification

Solubility in water : Insoluble
Solubility in ethanol : Soluble
Log Pow : > 6
Vapour pressure : 1300 Pa
Melting point : 2,5 – 3,5 °C
Boiling point : 393,4 °C

Use and storage

Tocopherol is an antioxidant. It can be used in cosmetics (with exception of oral care products), fragrance products, cleaning products and technical products. We do not sell products for use in food, feed, tobacco, e-smoking or pharmaceuticals. Keep dark and dry in a closed container. Hazardous (REACH/CLP), SDS available on request.

Sales specification

Purity : 96 - 102 %
Sulphated ash : < 0,1 g / 100 g

Note: sales specification means typical values at time of analysis. Values are not guaranteed. Values can be different in certain batches and change after analysis.

Allergens, EU Cosmetics Regulation

The substances suspected to be allergenic and listed in Annex III of EC 1223/2009 and Commission Regulation (EU) 2023/1545 are below detection limit.
This material is not listed in any annex of the cosmetics regulation EC 1223/2009

Natural

This product does not contain animal derived products, and can therefore be considered vegan.

Natural Index (acc. to ISO 16128) NI= 0
Natural Origin Index (acc. to ISO 16128) NOI= 0
Organic Index (acc. to ISO 16128) OI= 0

Animal testing

This raw material has not been tested on animals for cosmetic purposes after the date 11/03/2009.

This raw material is in compliance with article 18 of the Cosmetics regulation (EC) No 1223/2009.

Disclaimer

All information in this document is to our best knowledge at the time of preparation, provided in good faith and believed to be accurate. It still may contain errors and may be incomplete.