Chemische Werke Hommel GmbH & Co. KG

Im Wirrigen 25
D-45731 Waltrop
Tel.: +49 2309 60699-0
Fax: +49 2309 60699-30
www.hommel-pharma.com
info@hommel-pharma.com

Specification

Concerning Product:	
Article number	10191410NEPL
Trade name / designation / denomination	DL-alpha-Tocopherol (Vitamin E), EP,E307
CAS number	10191-41-0
Other names / synonyms	•(+)-a-Tocopherol; •(+)-alpha-Tocopherol; •(+/-)-alpha-Tocopherol; •2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-3,4-dihydro-2H-1-benzopyran-6-ol; •3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol; •?-Tocopherol; •D-?-TOCOPHEROL; •D-alpha-Tocopherol; •DL-α-Tocopherol; •DL-?-TOCOPHEROL;
EC number	233-466-0
Molecular weight [g / mol]	430.7061
Formula	$C_{29}H_{50}O_2$
May cause long lasting harmful effects to aquatic life. Avoid release to the environment. Dispose of contents/container in accordance with local/regional/(inter)national regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance	viscous, yellow to brown oil	
Physical parameter		
Refraction index	* 1,503 – 1,507	
Specific Optical Rotation	-0,01 – +0,01	°
Identity		
Assay	96,0 – 102,0	%
Identification	must comply	
Infrared absorbtion spectrometry	(at max. 292 nm in ethanol)* 72 – 76	
Impurities		
Sulphated ash	* ≤ 0,1	%
Related substances	Any other: ≤ 0,25	% [w/w]
Related substances	Impurity A: ≤ 0,5	% [w/w]
Related substances	Impurity B: ≤ 1,5	% [w/w]
Related substances	Sum of impurity C+D: ≤ 1,0	% [w/w]
Related substances	Total impurities ≤ 2,5	% [w/w]
Residual Solvents		
Heptane	* ≤ 0,5	%
Elemental Impurities		
Arsenic (As)	* ≤ 1	ppm
Cadmium (Cd)	* ≤ 0,5	ppm
Mercury (Hg)	* ≤ 0,1	ppm
Lead (Pb)	* ≤ 0,5	ppm
Zinc (Zn)	* ≤ 10	ppm
Organic volatile impurities		
Methanol	* ≤ 3000	mg/kg

Microbiological data		
Aerobic microorganisms	(TAMC): ≤ 1000	CFU/g
Escherichia Coli.	neg. in 1 g	
Salmonella	neg. in 25 g	
Yeast and Mould	≤ 200	CFU/g

Annotation:
* ensured by quality assurance measure and therefore tested randomly only by the manufacturer

Regulatory information:

Allergens statement: According to Annex II of Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25th October 2011 and its amendment (EU) No 78/2014 on substances or products the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

BSE/TSE statement: Risk of BSE/TSE contamination can be excluded.

GMO statement: Genetic engineering:
For the above mentioned product there is no obligation of g.m.o. labelling as defined by the Regulations (EC) No **1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.

Irradiated Status: Product has not been treated with ionizing radiation

Nanoparticles: The product does not contain any raw materials, ingredients or additives in nanoparticle size as per definition of Regulation (EU) No **1169/2011** respectively Regulation (EU) No **2015/228**.

Supplemental information:

Shelf life: Stored in the original unopened packaging under appropriate conditions the product is stable for at least 36 months from the date of production.

Derivation: synthetic

Note: The product contains no animal ingredients and no palm-based components.

Traceability According to Regulation (EC) No 178/2002 the traceability of raw materials (one step backwards and of produced batches one step forward) is implemented in our quality manual according to our established quality management system

Storage conditions: Protect from light and store cool and dry in well-closed original packaging. The temperature should not exceed 25 °C.

Usage: The product is suitable for a vegetarian nutrition.
The product is suitable for a vegan nutrition.
The product is suitable for lactose intolerance diet.
The product is suitable for people with coeliac disease and sprue.
The product is in compliance with Jewish dietary laws.
The product is in compliance with Islamic dietary laws.

Chemische Werke Hommel GmbH & Co.KG
This document was generated electronically and is valid without signature.
Waltrop, 29. Aug. 2025

LF-Basis: 3 (2025-07-16)

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