



Specification

Concerning Product:	
Article number	10191410ALOR
Trade name / designation / denomination	Vitamin E (DL-alpha-Tocopherol) 96%
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		
Colour	Clear, colorless or yellowish-brown	
Physical parameter		
Acidity/Alkalinity	≤ 1,0	ml
Refraction index	(20°C; [n] _D ²⁰): 1,503 – 1,507	
Form	Viscous oily liquid	
Specific Optical Rotation	(@ 20°C, 10% in CHCl ₃) -0,05 – +0,05	°
Solubility	in ethanol: soluble	
Solubility	in Water: insoluble in Acetone: soluble	
Identity		
Assay	96 – 102	%
Infrared absorbtion spectrometry	in Ethanol E ^{1%} _{1cm} (292 nm): 71,0 – 76,0	
Impurities		
Heavy Metals (as Pb)	≤ 10	ppm

Sulphated ash	≤ 1,0	%
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Lead (Pb)	≤ 0,5	ppm

Regulatory information:

GMO statement: Product is GMO free and complies to Regulations (EC) No. 1829/2003 and 1830/2003.

Irradiated Status: Product is irradiation free according to Directive EC 1992/2/EG and 1169/2011.

Registration status: The manufacturer certified according to ISO 9001, HACCP, GMP+, Bio according to EC Organic Regulation

Supplemental information:

Shelf life: 2 years

Note: Hazardous Status: Product is classified as hazardous as per EU Regulation.

Storage conditions: Protect with blanket of an inert gas. If container is opened and not used immediately, it is recommended to flush the container with an inert gas and to use up their content as soon as possible.

Stability: L-alpha-Tocopherol oxidizes and darkens in air and on exposure to light.

Regional origin: D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. May. 2021

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