



Specification

Concerning Product:	
Article number	36960S
Trade name / designation / denomination	Tocopherol siehe Vitamin E
CAS number	10191-41-0
Other names / synonyms	â€(+) -a-Tocopherol; â€(+) -alpha-Tocopherol; â€(+/-) -alpha-Tocopherol; â€2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-3,4-dihydro-2H-1-benzopyran-6-ol; â€3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol; â€?-Tocopherol; â€D-?-TOCOPHEROL; â€D-alpha-Tocopherol; â€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/international regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance	Clear oily liquid	
Appearance	D-alpha Tocopherol is a yellow to brownish red, clear oily liquid, nearly odorless, and is a monomer of the natural vitamin E derived from edible soy oil. It is produced by methylation and hydrogenation of natural mixed vitamin E and retains its original conformation. D-alpha Tocopherol 1200 is 80.5% pure tocopherol diluted in sunflower oil. It is certified nonGMO, Kosher and Halal	
Colour	Brownish-red	
Odour	Nearly odorless	
Physical parameter		
Acidity/Alkalinity	≤ 1	ml
Loss on drying	0.1	g/100g
Specific Optical Rotation	25Â°C: ≥ 24	Â°
Identity		
Assay	≥ 80.5	%
Assay	≥ 1200	(IU/g)
Identification	complies	
Impurities		
Residue on ignition	0,0	g/100g
Heavy Metals (as Pb)	≤ 10	ppm
Polycyclic aromatic hydrocarbons (PAH)	≤ 10	ppb *
Elemental impurities		
Arsenic (As)	≤ 3	ppm
Mercury (Hg)	≤ 1	ppm
Lead (Pb)	≤ 2	ppm
Organic volatile impurities		
Benzene	≤ 2	ppb *
Fatty Acid composition		
Mono-unsaturated fatty acids	0,0	g/100g
Poly-unsaturated fatty acids	0,0	g/100g
Saturated fatty acids	0,0	g/100g
Nutritional data		
Calories	90	kcal
Carbohydrates	1 (by difference)	g/100g
Cholesterol	≤ 0,1	mg/100g
All Fats	0,5	g/100g
Dietary Fiber	0,0	g/100g
Potassium (Nutrient)	≤ 0,1	mg/100g
Sodium (Nutrient)	≤ 0,1	g/100g
Protein	0,0	g/100g
Vitamins (Nutrient)	Vitamin C ≤ 0,1	mg/100g
Microbiological data		
Bacterial endotoxins	≤ 1000	CFU/g
Escherichia Coli.	in 10 g: Absent	g
Salmonella	in 10 g: Absent	g
Yeast and Mould	≤ 100	CFU/g

Supplemental information:

Shelf life: 2 years

Packing: 20 kg and 190 kg steel drums At ambient temperature, under dry conditions, protected from light, heat, moisture and oxygen, in tightly closed containers

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 20. Jul. 2021

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