



Technical Data Sheet

Vitamin E - Mixed Tocopherol T70 Öl (16370)
- E 306 für Lebensmittel, begrenzte Verwendung
Vitamin E - Mixed Tocopherol T70 Oil (16370) - E 306 restricted use in food

PRODUCT INFORMATION

Name	Mixed Tocopherol Oil with 700mg/g Vitamin E		
Product ID	13388	Chemical name	Mixed Tocopherols
Origin	Spain		
Antioxidant	E-306	CAS	1406-66-2
INCI names	Tocopherol, Helianthus Annuus Seed Oil		
Solubility	Insoluble in water, Soluble in ethanol, animal fats and vegetable oils, essential and mineral oils. Miscible with organic solvents		
Stability	Unstable to light, heat, alkali and oxidizing conditions		
d-alpha tocopherol	C29H50O2	CAS 59-02-9	
d-beta tocopherol	C28H48O2	CAS 16698-35-4	
d-gamma tocopherol	C28H48O2	CAS 54-28-4	
d-delta tocopherol	C27H46O2	CAS 119-13-1	
Natural Mixed Tocopherols	(70 %) min	Derived from soybean oil	
Vegetable oil (sunflower):	(30 %) max		

Ingredients/Composition	GC method according to IT-02-L		
Natural Mixed Tocopherols*:	700 mg/g min.	(70 %) min. (100 %)	(100 %)
Non Alpha tocopherol:	560 mg/g min.	(56 %) min.	(80 %) min.
Alpha tocopherol:	0 - 140 mg/g	(0 -14 %)	(0-20 %)
Beta tocopherol:	0 - 70 mg/g	(0 - 7 %)	(0-10 %)
Gamma tocopherol: 350 - 490 mg/g (35 - 49 %) (50-70 %)	350 - 490 mg/g	(35 - 49 %)	(50-70 %)
Delta tocopherol:	70 - 210 mg/g	(7 - 21 %)	(10-30 %)
□Vegetable oil (sunflower):300 mg/g max.		(30 %) max.	

*Derived from soybean oil

ITEM	SPECIFICATION
Appearance*	Clear, brownish red viscous oil
Color	Max. 14 Gardner Units
Taste	Mild, characteristic
Odour	Typical vegetable oil
Viscosity (60°C)	80 - 210 cP
Specific gravity/Density (25°C)	0.92 - 0.96 g/cm ³
Molecular weight	≥ 402 - ≤ 431
Acidity	≤ 1,0 ml KOH 0,1N/g adapted to JECFA
<i>(Parameters analyzed periodically based on statistical data)</i>	
Specific rotation	(a)D ²⁵ . Min. + 20° (for 100% concentration)
<i>(As per Commission Directive 2008/84/EC, Commission Regulation (EU) N° 231/2012 and JECFA)</i>	

STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Preservative	Preservative Free
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 396/2005 and amendments



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Microbiology	Bacterial Count: TAMC-Bacteria: <10.000 cfu/g, TYMC: <300 cfu/g, Salmonella: negative, E. Coli: negative, S. Aureus: negative
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen free	According to Reg. (EC) 1169/2011
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

STORAGE AND HANDLING

Packaging	10 kg, 20 kg, 190 kg
Storage	Ambient temperature. Nitrogen blanketing and protection from light, moisture and air. Store in tightly closed containers.
Shelf Life	36 months from packaging date (unopened) for 20, 190 kg containers (blanketed). 12 months from packaging date (unopened) for 10 kg containers (not blanketed)
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