



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

Chemical name	Mixed Tocopherols	
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	

ITEM	SPECIFICATION	METHOD
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/cm³	
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	(α) _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
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

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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