



Technical Data Sheet

**Vitamin E - Mixed Tocopherol T70 Öl (16370)
- Feed Additive 1b306(i), begrenzte Verwendung
Vitamin E - Mixed Tocopherol T70 Oil (16370) - 1b306(i) restricted use in feed**

PRODUCT INFORMATION

Name	Feed Grade Vitamin E (Mixed Tocopherol) Oil, 700 mg/g, Feed Additive 1b306(i)		
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		
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		

FEED ADDITIVE

Category	1. Technological additives	Code	1b306(i)
Functional group	b) Antioxidants	Subclassification	Antioxidants
Expiry of authorization:	-		
Restrictions	<p>1. Tocopherol extracts from vegetable oils may be placed on the market and used as an additive consisting of a preparation.</p> <p>2. In the directions for use of the additive, indicate the storage and stability conditions and for the premixtures the storage conditions.</p>		

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	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>	



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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.

STATEMENTS

Quality and Safety	Feed Grade (for pet food only, not intended for human consumption), Feed Additive	
Feed	Registration according to Art. 9 Reg. (EC) 1831/2003 Feed hygiene Reference number: no.: V 1203/ 592-02.36/4	Ref.
Responsible person	Dirk Brauns	
Hazard	Not dangerous in accordance with EU regulation (EC) No 1272/2008	
Contaminants	According to Reg. 2002/32/EC on undesirable substances in animal feed	
Preservative	Preservative Free	
Microbiology	E. Coli:None cfu/g, Salmonella:None cfu/25g, Listeria Monocytogenes: None cfu/10 g, Shigella: None cfu/10 g, Clostridium Perfringens: None cfu/g, Staphylococcus Aureus: None cfu/g, Enterobacteriaceae: max 100 cfu/g, Total Aerobic Count: max 1000 cfu/g, Yeast & Moulds: max 100 cfu/g	
GMO	GMO Free	
ETO	ETO free	
Vegan	Conform	
Sterilization Method	High Temperature and Pressure	
Irradiation	No ionization or other radiation	
BSE/TSE	Risk Free BSE/TSE	
Nanomaterials	Absent	
Titanium dioxide	Absent	
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments	

STORAGE AND HANDLING

Packaging	10, 20 and 190 kg containers are supplied for this product. (In compliance with Commission Regulation (EU) N° 10/2011 and FDA 21 CFR)
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
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All above information according to the manufacturer / supplier

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