



Chem2Market GmbH Planckstraße 17 22765 Hamburg - DE info@plants2market.com +49 40 80 79 60 10

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 C29H5002 CAS 59-02-9 d-beta tocopherol C28H4802 CAS 16698-35-4 d-gamma tocopherol C28H4802 CAS 54-28-4 d-delta tocopherol C27H4602 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. 0 - 140 mg/g (0 - 14 %)Alpha tocopherol: (0-20%)Beta tocopherol: 0 - 70 mg/g (0 - 7%)(0-10 %)350 - 490 mg/g Gamma tocopherol: 350 - 490 (35 - 49 %)(50-70 %) Delta tocopherol: 70 - 210 mg/g (7 - 21 %) (10-30 %)

□Vegetable oil (sunflower):300 (30 %) max.

*Derived from soybean oil

TEM 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/cm^3 Molecular weight \geq 402 - \leq 431

Acidity \leq 1,0 ml KOH 0,1N/g adapted to JECFA

(Parameters analyzed periodically based on statistical data)

Specific rotation (a) D^25. Min. + 20° (for 100% concentration)

(As per Commission Directive 2008/84/EC, Commission Regulation (EU) N° 231/2012 and JECFA)

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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Bacterial Count: TAMC-Bacteria: <10,000 cfu/g, TYMC: <300 cfu/g, Salmonella: negative, E. Coli: negative, S. Microbiology

Aureus: negative

GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments GMO

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

Ambient temperature. Nitrogen blanketing and protection from light, moisture and air. Store in tightly Storage

36 months from packaging date (unopened) for 20, 190 kg containers (blanketed). Shelf Life

12 months from packaging date (unopened) for 10 kg containers (not blanketed)

Issue date (V3)

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