

Product Information

dermofeel® Toco 70 non GMO**The Product: dermofeel® Toco 70 non GMO**

This antioxidant for cosmetic formulations contains a natural composition of mixed tocopherols, made from non-GMO sources. The tocopherol content is at least 70%. This material provides effective protection of oxidizable ingredients in cosmetic formulations.

CHARACTERISTICS

- INCI: Tocopherol, Helianthus Annuus (Sunflower) Seed Oil
- Appearance: viscous brown liquid, mild typical odor
- 100% naturally derived; COSMOS approved and compliant with other standards for natural cosmetic; please contact us for further information
- Total tocopherol content: > 70 %
- Mixed tocopherols obtained from soy
- For improved handling diluted in Sunflower Oil
- Protecting cosmetic ingredients from rancidity by oxidation
- Especially suitable to protect valuable ingredients such as unsaturated vegetable oils, active ingredients and fragrance components
- In order to elongate the lifecycle of this antioxidant ingredient, combine with other antioxidants, e.g. **dermofeel® AP MB** (Ascorbyl Palmitate) or chelating agents, e.g. **dermofeel® PA-3**
- Ideal in emulsions and oil based products

DOSAGE

Product Concept	Dosage
Emulsions and oil based products	0.05 – 1.0 %

How to work with dermofeel® Toco 70 non GMO

MANUFACTURING PROCEDURE (*LABORATORY SCALE*)

For emulsions:

1. **dermofeel® Toco 70 non GMO** can be added to the oil phase at any step of the process.
2. Especially when sensitive ingredients are present, **dermofeel® Toco 70 non GMO** should be added before heating the oil phase, thus a protection during process is given.
3. Can be used in hot or cold process.

FORMULATION ADVICE

Solubility	Soluble in Oil
	Sparingly soluble in ethanol
	Miscible with organic solvents

APPLICATION IDEAS

Perfectly suitable for emulsions and oil based products high in oxidizable ingredients, such as vegetable oils

For more formulation ideas visit us at:

<https://www.dr-straetmans.de/en/products>

Trade Information

International Approval*	EU, USA, Canada, Australia, China, Japan, Taiwan, South Korea
Packaging	5 kg / 20 kg
Shelf life (<i>stored in original container</i>)	36 months

* Information is based on our best knowledge and reviewed for the most requested regions only. We recommend to check current regulatory requirements in individual target countries. For more information, refer to Product Data Record (PDR) document chapter 5.

Literature

Gesellschaft Deutscher Chemiker, Arbeitsgruppe kosmetische Mittel – Müller, Dr. R. Vitamin E. Datenblätter zur Bewertung der Wirksamkeit von Wirkstoffen in kosmetischen Mitteln, Status June 2019, www.gdch.de.

For further information, please contact:
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