

Guide Formulation

Tocopherols dissolve very well in oils and therefore shall be incorporated into the oil phase prior to the emulsification process. Depending on the oil the use level shall be between 0,20–0,60%. Tests at different concentrations may help to determine the most appropriate concentration for each specific case.

Preparation


- Prepare Phase A1 by predispersing Xanthan Gum and Tremella Extract in Glycerin.
- Add pre-disperion water and stir vigorously until gel formation is completed.
- Add components of phase A2 to A1 and stirr until complete solution.
- Prepare Phase B by blending all components into Dermofeel G 10 LW.
- Add Phase B to Phase A1/2 and stirr until homogeneity.
- Adjust pH with Phase C to 4,8.


Characterization	
Appearance	Opaque Gel
pH (20°C)	4,8
Viscosity (Brookfield, Spindle 5, 10 rpm)	4000 mPas

Stability	
Centrifugation (4000 rpm, 10 min)	O.K.
Microbiological Challenge Test	O.K.
Stability, 3 months, 6°C, RT, 40°C	O.K.

Product Description:

Cooling and Soothing Aqueous Gel

Contains valuable rapeseed tocopherols such us  **Nutripherol** to protect valuable actives from oxidation and relieve the skin from UV induced damage at the same time. Compliant with natural cosmetic guidelines (Cosmos, Natrue, Ecocert)

Phase	Ingredient	INCI	%
A1	Water, Demin	Aqua	90,86
	Glycerin, Organic	Glycerin	2,00
	Cosphaderm X 34	Xanthan Gum	0,70
	Glorydermal Botanyluron	Tremella Fuciformis Sporocarb Extract	0,08
A2	Sodium Benzoate	Sodium Benzoate	0,30
	Potassium Sorbate	Potassium Sorbate	0,20
	Ajidew NL 50 N	Sodium PCA	1,80
	Genencare OSMS BA	Betaine	2,00
	Bio Worlée Aloe IF 200x FD	Aloe Barbadensis Leaf Juice Powder	0,05
B	Dermofeel G 10 LW 70 MB	Polyglyceryl-10 Laurate, Citric Acid	1,00
	PÖ Nat. Sunny 2 80284	Parfum	0,15
	Koko ML Plus	Menthyl Lactate, Mentha Halpocalix Extract	0,20
	RonaCare Bisabolol Nat.	Bisabolol	0,10
	 Nutripherol® 70 OC	Tocopherol - Helianthus Annuus	0,50
C	Lactic Acid AHA 80%	Lactic Acid	0,16
			100,00



Oxidation—Double Formulation Trouble

Two Risk Factors for Cosmetic Products and the Skin

Oxidation significantly degrades cosmetic formulations in two main ways. First, it degrades fatty acids critical for base formulation stability. This negatively affects emulsion stability, color, and scent. Second, it impairs active ingredients in the formulation, which negatively impacts product performance and efficacy.

Nutriperhol—A Clean-Label Two-in-One Solution

Mixed tocopherols sourced from rapeseed offer a distinctive blend of RRR- α -tocopherol and RRR- γ -tocopherol. Nutriperhol contains nearly a 1:1 ratio of these two homologs. This allows Nutriperhol to have a dual benefit in cosmetic formulations. It supplies a sufficient level of Vitamin E to supplement the skin with protective antioxidants, while at the same time ensuring the stability of the base formulation against oxidative degradation.

Derived exclusively from European Rapeseed 00, Nutriperhol offers a clean label alternative to traditional soy origin or synthetic counterparts.

NUTRIPHEROL 70 OC is produced in a non-chemical, purely physical process under GMP, Codex Alimentarius conditions from rapeseed. FSSC 22000 certified. Our raw materials are sourced from non-GMO sources following the guidelines of our IP programs to avoid contamination with GMO materials during storage, transport, and production. These principles safeguard the high quality of NUTRIPHEROL 70 OC.



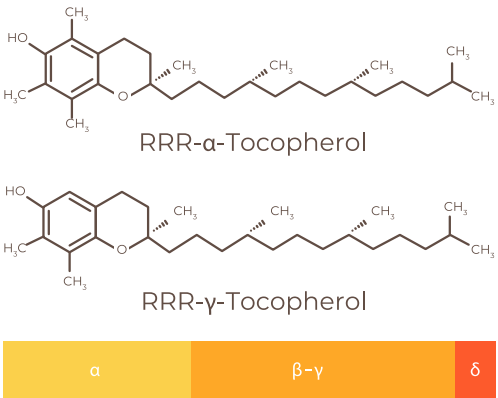
Our Environmental Impact

Our tocopherols are produced as valuable by-products sourced from a side stream of the vegetable oil industry eliminating the need for additional farming. This approach not only reduces waste but also minimizes our environmental impact. Our strategic proximity to suppliers and customers further enables us to streamline production and distribution, contributing to a lower environmental footprint.

Our commitment to 100% EU agriculture, coupled with sustainable agricultural practices, ensures the high quality of the plants used in our processes. In addition, all secondary stream products from our processing are directed to industries that recycle and repurpose these materials for various finished goods, promoting a circular economy model.

INCI: Tocopherol (Rapeseed)

- High alpha tocopherol concentration delivers Vitamin E fortification
- All-natural mixed tocopherols
- Rapeseed-sourced: clean label alternative to soy derived
- Non-GMO by source
- Non-allergenic



Regulatory Information

EU Cosmetic Legislation (Reg. EC 1223/2009)

Compliance statement available. Fragrance allergen statement available. CMR statement available. Product has not been tested on animals by or on behalf of Kensing.

EU Chemical Legislation (Reg. EC 1907/2006)

REACH statement available. PBT/vPvB information available. SVHC statement available. Produced according to GMP, Codex Alimentarius. FSSC 22000 certified. ICH Q7 GMP compliant. Please ask for our Regulatory statement for further information on the global registration status of the product.

Product Specification

INCI: Tocopherol, Helianthus Annuus (Sunflower) Seed Oil

Appearance: Clear Brownish Red Viscous Liquid

Cosmetic Function: Antioxidant

Assay: Min. 70% Active

Origin: European Rapeseed 00

Use Level: 0,20–0,60%

Regulatory Status: Europe, US, Japan, China, Australia, Canada

Certifications: Cosmos, Ecocert, USDA

Shelf Life: 36 months

Packaging and Storage

Available in 9 kg or 18 kg HDPE jerrycans, or 190 kg metal drums.

NUTRIPHEROL 70 OC shall be stored in sealed containers, at room temperature and dry conditions. Avoid exposure to light, oxygen, high temperatures or an alkaline environment. Keep the container tightly closed. Use content quickly after opening the packaging.

If stored appropriately in unopened containers NUTRIPHEROL 70 OC has a shelf life of 36 months.