

UNIPHEROL U-14 / U-14 NP

ANTIOXIDANT FOR COSMETICS BASED ON NATURAL INGREDIENTS

Content	Unipherol U-14 is a combination of naturally occurring ingredients in carefully balanced concentration resulting in optimum efficacy. Active components are dl- α -tocopherol and soya phospholipids, dissolved in isopropyl myristate. Unipherol U-14 NP does not contain any preservatives or other additives
Appearance	Viscous liquid.
Analytical data	See specifications.
Solubility	Miscible with vegetable oils and fats, petrolatum, synthetic triglycerides, ester oils, waxes, and other types of cosmetic oils. Insoluble in water.
Properties	Unipherol U-14 is an excellent stabilizer for unsaturated oils, fats, and other lipids. Also suitable for other oil soluble oxygen sensitive basic ingredients, active substances and perfumes used in cosmetic products. Unipherol U-14 shows a strong antioxidative activity. It is based on vitamin E (α -tocopherol) and other natural ingredients. It does not contain any synthetic antioxidants like BHT or BHA. Its antioxidative efficacy was tested in unsaturated essential fatty acid esters in comparison to BHT. The attached chart shows clearly the superiority of this product. Similar experiments with cosmetic emulsions containing air sensitive ingredients, which are normally stabilized by BHT, demonstrated the excellent effectiveness of Unipherol U-14.

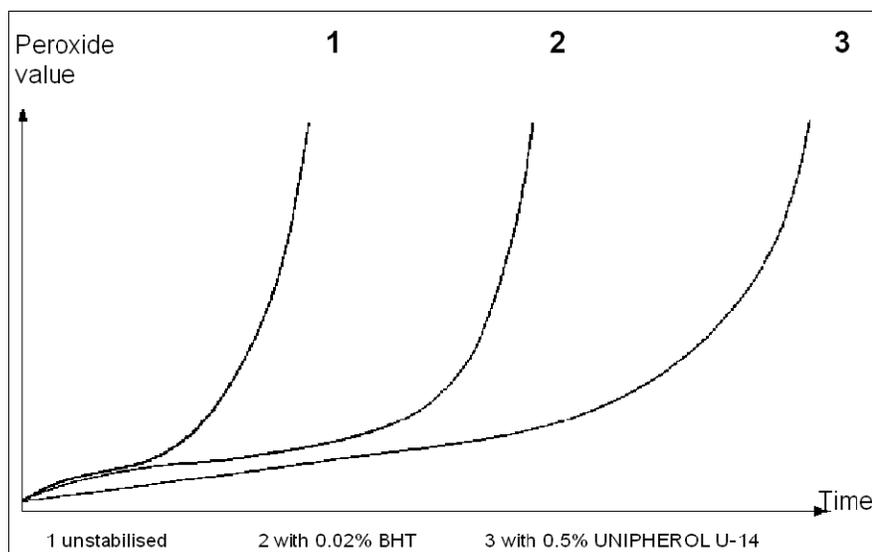


Figure 1: Antioxidant activity of Unipherol U-14

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Unipherol U-14 is dermatologically tested as a 50% solution. It shows no evidence of primary irritation or incompatibility.

According to these properties Unipherol U-14 is an excellent stabilizer for all lipophilic oxygen sensitive basic ingredients, active substances and perfumes in cosmetic products.

Use	Highly effective antioxidant, mainly for the stabilization of the oil phase of cosmetic preparations, including lipsticks.
Dosage	approx. 0.5%
Storage	5°C - 25°C (see safety data sheet)
Shelf life	2 years (see specification)

Identification	INCI name	Chinese Name	CAS No.
CTFA Monograph Id: 1343	Isopropyl Myristate	肉豆蔻酸异丙酯	110-27-0
CTFA Monograph Id: 1493	Lecithin	卵磷脂	8002-43-5
CTFA Monograph Id: 3219	Tocopherol	生育酚(维生素E)	10191-41-0

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