

OPTIMIZE THE SHELF-LIFE OF YOUR COSMETIC FORMULA

With evidence-based Oxidation Protection



Challenge

The quest to ensure **the right selection and amount of antioxidants** for a formulation concept

Why prevent oxidation?

To protect...

- ... the product's sensory properties and function
- ... the consumer from unwanted degradation products

Why more relevant today?

The trend for naturality: Certain natural ingredients – like vegetable oils – can make a cosmetic products more prone to oxidation



Method

New **method developed by Evonik** for testing **oxidative stability**: Measuring **the entire course of the oxidation process** of a formulation under the **conditions relevant to cosmetics**.



Solution

Our new data support formulators to:

Discover the optimal **natural antioxidant**

By identifying the formulation-specific efficacy of antioxidants.

Unlock **ingredient synergies** in a formulation

Through our sensitive measuring approach.

Upgrade the product's **sustainability profile**

With focus on natural ingredients and optimizing their use concentration.

OUR KEY PORTFOLIO FOR SUSTAINABLE OXIDATION PROTECTION



- Fully natural based (Natural Origin Index = 1 (ISO 16128))
- Suitable for natural cosmetics
- Biodegradable

Antioxidant skin protection

dermofeel® TocoSkin

Oxidation protection of cosmetic formulations

dermofeel® Toco 70 non GMO
dermofeel® Toco 50 non GMO

Oxidation protection extension

dermofeel® PA range of chelating agents
dermofeel® AP MB

dermofeel® TocoBalance

Access detailed information about our products at intoBeauty®
<https://intobeauty.evonik.com>

Evonik Operations GmbH
personal-care@evonik.com
www.evonik.com/personal-care