

## Information about UV filters in our cosmetic products

Sunlight provides energy and well-being – but at the same time, UV rays can damage the skin and can lead to premature aging, pigmentation disorders, or skin damage. Our sun protection cosmetics therefore combine selected **UVA and UVB filters** that offer reliable, skin-friendly, and modern protection.

### Which UV filters do we use?

We only use UV filters that are approved in accordance with the EU Cosmetics Regulation and that provide proven effective protection in the relevant UVA and UVB spectrum.

These include, among others:

- Compliance with UVA protection in accordance with EU Commission 2006/647/EC (UVA protection factor must be at least one third of the specified UVB protection factor (SPF))
- Compliance with the critical wavelength of 370 nm

All our sun protection products are tested using recognized methods, both *in vivo* and *in vitro*, to ensure the effectiveness of UV protection, photostability, and compliance with the specified protection factors.

### 1. Organic (chemical) UV filters

Organic UV filters absorb UV radiation, convert its energy into heat, and thus prevent the radiation from penetrating the skin. We use a combination of different UV filters to achieve optimal coverage of the UVA and UVB ranges. All UV filters are sourced from reputable manufacturers/suppliers.

- **Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine:** Broad-spectrum protection with excellent photochemical stability
- **Diethylamino Hydroxybenzoyl Hexyl Benzoate:** strong UVA filter that protects the skin from aging and free radicals
- **Ethylhexyl Triazone:** highly efficient UVB filter, supports high protection factors

### Special effects & advantages of our organic UV filter systems

- High photostability
- Broad-spectrum protection
- Good skin compatibility
- Pleasant skin feel: light, non-sticky
- Transparent formulations
- Coral-friendly and in accordance with the Hawaiian Reef Act of 2018
- No downgrading by *ÖKO-TEST* and *Stiftung Warentest*

## 2. Mineral (physical) UV filters

Mineral UV filters protect the skin by lying on the surface as fine particles and reflecting and scattering UV radiation. This means that less UV energy reaches the skin, helping to prevent sunburn, reduces the formation of free radicals, and reduces oxidative stress.

**Zinc Oxide:** Broad-spectrum protection covering both the UVA and UVB ranges

### Special properties:

- Photostability
- Broad spectrum protection
- Very well tolerated – even for sensitive, irritated, or reactive skin
- Suitable for children's sun care
- Immediately effective protection (no "waiting time" required)
- Compliant with natural cosmetics standards
- No use of nano-form
- Coral-friendly and in accordance with the Hawaiian Reef Act of 2018

Due to ongoing criticism and health concerns regarding titanium dioxide, which is another mineral UV filter that could be used, we are currently refraining from using this UV filter.