

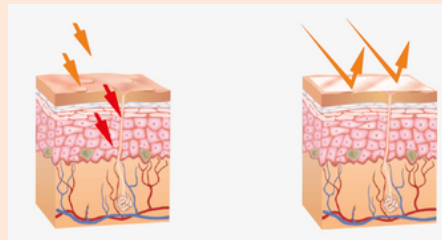
## Nano, not nano: we tell you everything

Organic-certified sunscreens only use two "mineral" filters: **Titanium Dioxide** (TiO<sub>2</sub>) and **Zinc Oxide** (ZnO).

These filters are the only **filters of natural origin authorized worldwide**, and whose **efficacy** and **safety** have been validated.

To reaffirm the **harmlessness of Titanium Dioxide**, an independent laboratory conducted a study (Skin penetration study on Frantz cell - OECD Protocol 428).

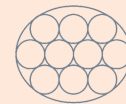
**The results are formal:** the sunscreens used in **ALPHANOVA organic SUN sunscreens remain on the surface of the skin and do not penetrate the skin barrier.**



Chemical filters

Mineral filters

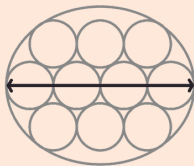
In **ALPHANOVA's formulas**, the mineral filters are composed of **natural titanium molecules welded very tightly together** to form large blocks called **aggregates**.



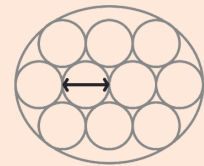
Aggregates

In France, since January 1st, 2022, **mineral sunscreens** have included the mention **[nano]**. The **reason ?** Different measurement techniques are validated at European level, but **the French authorities currently use a new measurement technique** (the MEB), which **breaks up the aggregates to measure the internal particles.**

In Europe: we measured the external (complete and inseparable aggregate under normal conditions of use of a sunscreen product).



In France: we measure the internal.



This measurement technique is currently only used in France. Internationally, the methods used allow us to don't write [nano] on our packaging.

### TO KEEP IN MIND :

- 1 - Our formulas have not changed.
- 2 - French measurement techniques have evolved.
- 3 - Even if we write [nano], there is no skin penetration (supporting evidence with the study), so **there is no risk of finding our sunscreens inside the body.**