

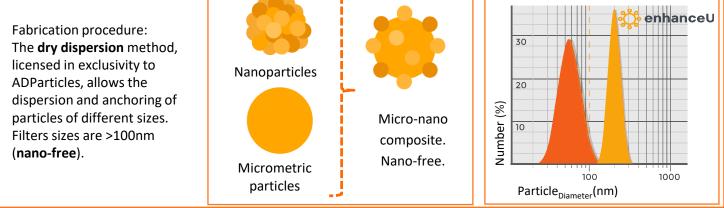
## Innovative nano-free mineral UV filters for cosmetic formulations

ADParticles presents two lines of **nano-free mineral filters**, **EnhanceU** & **EffectiveU**, to face main challenges in sunscreen cosmetics market: high SPF, broad-spectrum protection and photostability.

Our innovative ingredients can be used in

- sun care formulations
- color cosmetics with protection

Sun Filters	INCI	Туре	Recommended use	Characteristics UVA/UVB, λcrit
र्हुः effectiveU-T NEW	Titanium dioxide, silica	Sun care	SPF 10-25	≥ 0.8, 380 nm
တ္တိုး enhanceU -s	Titanium dioxide, zinc oxide, silica	Sun care	SPF 30-50	≥ 0.7, 380 nm
୍ଦ୍ପିଂ enhanceU -T	Titanium dioxide, silica	Sun care	SPF 30-50	≥ 0.7, 380 nm
တ္တိ enhanceU -T-light	Titanium dioxide, iron oxide, silica	Sun care with color	SPF 30-50	≥ 0.6, 380 nm
တ္ထိ enhanceU -T-medium	Titanium dioxide, iron oxide, silica	Sun care with color	SPF 30-50	≥ 0.6, 380 nm
တ္လို enhanceU -T-warm	Titanium dioxide, iron oxide, silica	Sun care with color	SPF 30-50	≥ 0.6, 380 nm
			Nanometric ↔ Nano-free	



**New structures** are obtained where the light access to smaller particles in the filter is facilitated. An increase in the SPF final formulation is achieved.

EnhanceU and EffectiveU are commercialised under a patent license agreement with the Spanish National Research Council (CSIC). Advanced Dispersed Particles. All rights reserved.



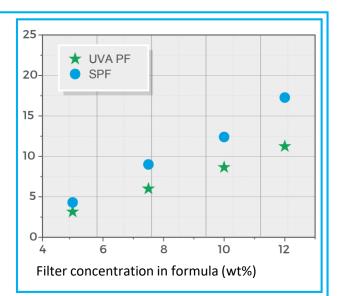
## Nano-free mineral UV filter that provides broad spectrum protection, with an important covering of UVA region.

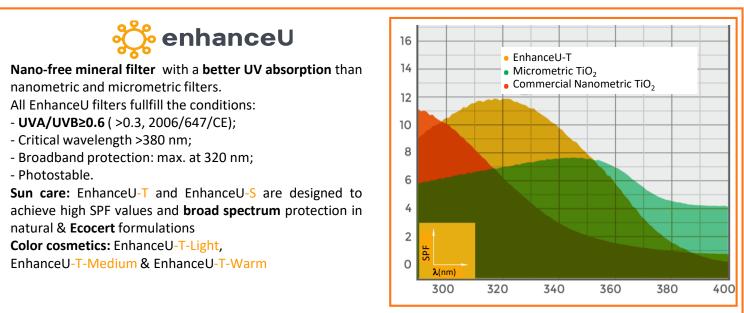
UV absorption spectrum characteristics:

- UVA/UVB≥0.8 ( >0.3, 2006/647/CE);
- Critical wavelength >380 nm;
- Broadband protection: maximum at 340 nm;

- Photostable.

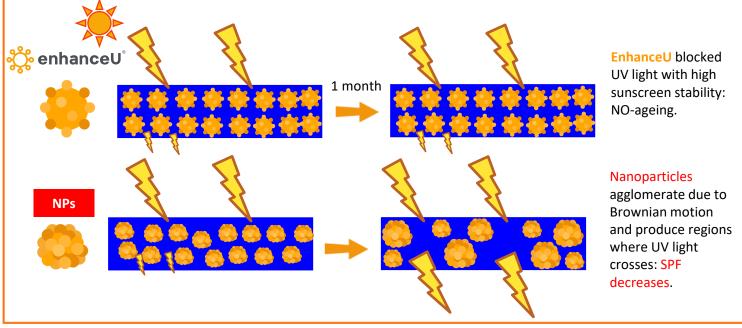
It may be used in combination with other filters & SPF boosters, in sun creams or in daily creams with protection.





Combine color with sun protection. Ideal for Ecocert BBcreams, CCcreams & colored sunscreens!

**High SPF & Stability: EnhanceU-T filter** has shown **higher SPF and stability than nanoparticles, NPs,** (commercial Nanometric filter, same INCI) in a formula with same concentration (12% wt, SPF 30; 15% wt, SPF 50; *in vitro* measurements).



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