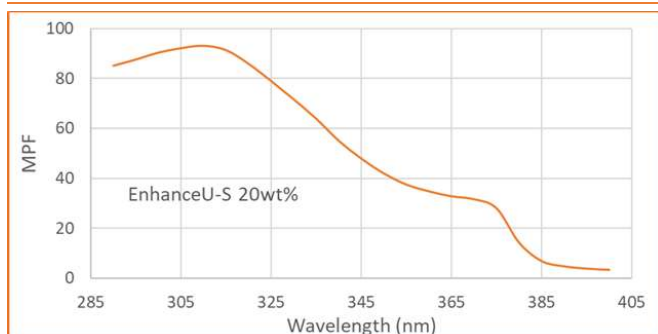


UV Absorption Spectrum



Solar Light SPF-290AS Spectrophotometer.

In vitro measurement:

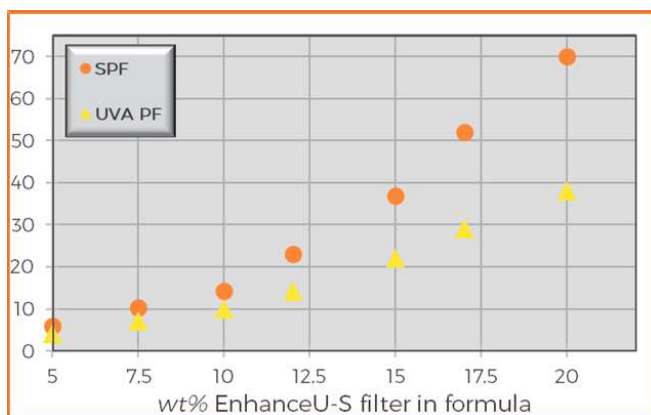
SPF	UVA PF	UVA/UVB ratio	CW (nm)
70	39	0,70	378

Standard formula. Filter concentration: 20wt.%

INCI: Aqua, Zinc oxide, octyldodecyl myristate, isopropyl myristate, paraffinum liquidum, butylene glycol cocoate, Cetyl Alcohol (and) Glyceryl Stearate (and) PEG-75 Stearate (and)

Ceteth-20 (and) Steareth-20, titanium dioxide, cetyl alcohol, preservative, sodium chloride, silica, xanthan gum

In vitro SPF and UVA evaluation. Photostability evaluation.



EnhanceU-S filter was included in standard formula at 7.5, 10, 12, 15, 17 or 20% (w/w).

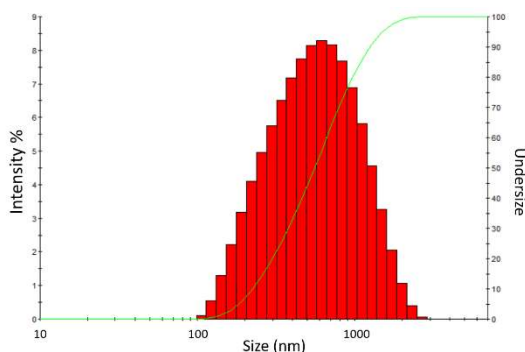
SPF and UVA PF values were obtained from the UV absorption spectra.

Photostability tests were performed to evaluate the protection properties both before and after irradiation of the sample with UV light. After 2 irradiation sessions of 5 and 11 min, the photostability value was higher than 80% and thus the sample considered to be photostable.

Particle size distribution

Average particle size >0.1µm (DLS, Dynamic light scattering; SEM Microscopy)

DLS, water dispersion



Dispersion: 0.01g/10 mL H₂O,
15min ultrasound bath
Result: Z average: 455nm
(PDI: 0.2)
- batch 01180303A-

Completed and approved by:

Blanca Motos Pérez, Technical Manager

Disclaimer:

The information here included is a guide. Every effort has been made to ensure complete and accurate information concerning this document. The information here provided is based on our current knowledge. It does not claim to be complete and it does not exempt the purchaser from performing further analyses prior to internal approval. Liability claims regarding damage caused by the use of any information provided, including any kind of information that is incomplete or incorrect, will therefore be rejected.

