

Ciba® Sunscreen Simulator

Date(C.E.T.): 23/02/2008

Region: Europe

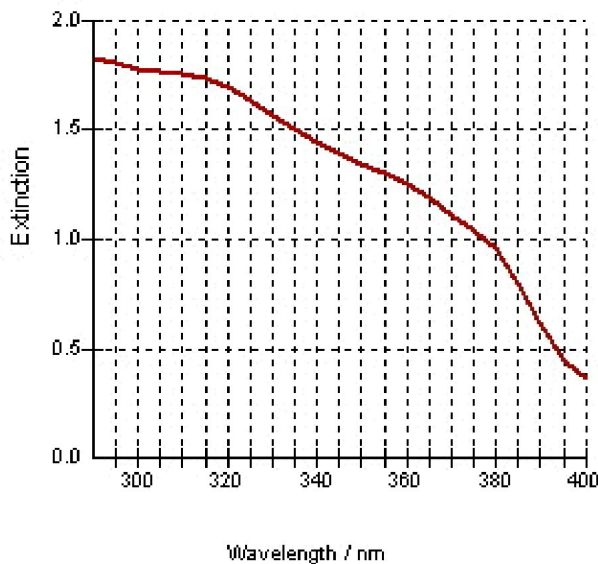


- 5 % Benzophenone-3
- 2.5 % Butyl Methoxydibenzoylmethane
- 8 % Titanium dioxide
- 4 % Ethylhexyl Methoxycinnamate

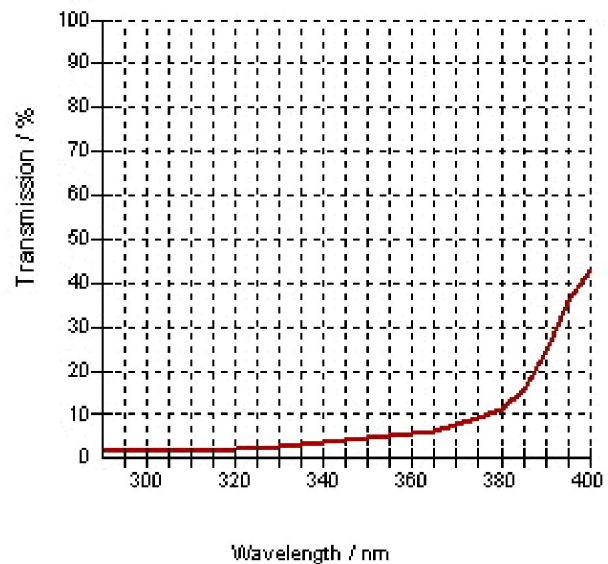
- Oxybenzone BP3
- Avobenzene BMBM
- Titanium Dioxide TiO2
- Octinoxate EHMC

Sun Protection Factor Results		Rating	Filter Efficiency	
Calculated SPF	33	30	SPF/Total % Filter	1.69
UVA Results			UVA-Balance	
UVF-PF(PPD)	7.9	JCIA PA++	Based on simulated SPF	
Australian Standard		Pass	UVA-PF(DIN)	11
Critical Wavelength	378 nm		UVA-Balance	31
UVA/UVB Ratio	0.65	Star Rating	Based on labelled SPF	
		***	UVA-PF(DIN)	
			UVA-Balance	

Model Film Extinction



Model Film Transmission



Although the Ciba® Sunscreen Simulator is based on in vivo SPF measurements, the simulation model does not take into account all aspects and parameters of sunscreen manufacturing and use, e.g. type of emulsion, emollient, emulsifiers and also other parameters contributing to the SPF are not considered. Hence this simulation cannot replace a full vivo assessment of a sunscreen. The UV absorbers that can be used in the simulation are not all approved in all countries. Please check local regulations. No statements herein are to be construed as inducements to infringe any relevant patent. CIBA SPECIALTY CHEMICALS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User's sole remedy and Ciba's sole liability for any claims shall be User's purchase price. Under no circumstances shall Ciba be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the Ciba® Sunscreen Simulator.