

Luxscreen® Day Protection

Soft day protection cream with high SPF and light application. Based on Luxscreen® low gravity dispersions which give high SPF with a minimized risk of sedimentation. Natural Biomethics® Emulsifier has excellent skin compatibility and does not disrupt skin's barrier as traditional emulsifiers do. Dedraflow® 5 is volatile emollient used as replacement to cyclomethicone. Creasil® IH improves the application qualities. Creanatural® BioCollagen gives skin care benefits to the formulation. It is a light film former with moisture retaining properties.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
Biomethics® Emulsifier SolanumW/O	Solanum Tuberosum (Potato) Starch (and) Helianthus Annuus (Sunflower) Seed Oil (and) Hydrogenated Lecithin (and) Helianthus Annuus (Sunflower) Wax (and) Limnanthes Alba (Meadowfoam) Seed Oil (and) Xanthan Gum (and) Phenoxyethanol	4,00	1)
	PEG-10 Dimethicone	4,50	
	PEG-11 Methyl Ether Dimethicone	0,50	
	Disteardimonium Hectorite	0,80	
	Cyclopentasiloxane	19,30	1)
	Isohexadecane	7,70	1)
Creasil® IH CG			
Phase B			
	Water	q.s.	
	Glycerine	2,00	
	Chlorphenesin	0,20	
Phase C			
CreaBN®	Boron Nitride	1,00	1)
Phase D			
Creanatural® BioCollagen	Water (and) Glycerine (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Natto Gum (and) Citric Acid (and) Chlorphenesin	5,00	1)
	Hyaluronic Acid	0,05	
Phase E			
Luxscreen® TR 14 AF 50	Titanium Dioxide (and) Hydrogenated Polydecene (and) Styrene/Acrylates Copolymer	18,00	1)
Luxscreen® TR 35 AF 50	Titanium Dioxide (and) Hydrogenated Polydecene (and) Styrene/Acrylates Copolymer	22,00	1)

SPF in vitro : 95,4

UVA Ratio : 0,77

Star Category : ***

Critical Wavelength : 378nm

Procedure:

1. Heat up phase A to temperature of 70° C - 75° C and stir at the speed of 500-600rpm until homogenous.
2. Heat up phase B to temperature of 70° C - 75° C and stir at the speed of 500-600rpm until homogenous.
3. Add phase B into phase A under strong agitation (1000-1200rpm) and keep heated for 15 minutes.
4. Homogenize (6000rpm) the mixture (A+B) for 5 minutes and cool down to temperature below 35° C.
5. Add phases C and D and homogenize (6000rpm) for 2-3 minutes.
6. Add phase E under strong agitation (1000-1200rpm).

NOTE: Please note that sufficient preservative system needs to be used, we do not guarantee microbiological stability.

Suppliers:

- 1) CIT SARL/COSMO CHEM SARL

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