

Protective Day Cream - SPF 30

Reference: FD 17-14S1

INCI name	%	Function
PHASE A		
Water (<i>Aqua</i>)	up to 100.00	
Glycerin	3.00	Humectant
Disodium EDTA	0.05	Chelating Agent
Phenylbenzimidazole Sulfonic Acid	2.00	UVB Filter
Sodium Hydroxide	a.n.	Neutralizing Agent
PHASE A₁		
Microcrystalline Cellulose (<i>and</i>) Cellulose Gum	1.00	Thickener
Xanthan Gum	0.20	Thickener
PHASE B		
Polyglyceryl-2 Stearate (<i>and</i>) Glyceryl Stearate (<i>and</i>) Stearyl Alcohol - PolyAqual™ 2W	4.00	Emulsifier
Cetearyl Alcohol	1.00	Consistency agent
Pentaerythrityl Distearate	0.50	Emollient
Dicaprylyl Carbonate	2.00	Emollient
Persea Gratissima (<i>Avocado</i>) Oil	1.00	Emollient
Tocopherol	0.10	Antioxidant
Hydrogenated Dimer Dilinoleyl (<i>and</i>) Dimethylcarbonate Copolymer	2.00	Water Resistant Agent
Ethylhexyl Salicylate	2.00	UVB Filter
Ethylhexyl Methoxycinnamate	1.00	UVB Filter
Homosalate	1.00	UVB Filter
Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.00	UVB Filter
Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.00	UVB and UVA Filter
Silica	1.50	Texturizing - Lipophilic Gelling Agent
PHASE B₁		
Octyldodecyl Oleate (<i>and</i>) Octyldodecyl Stearoyl Stearate (<i>and</i>) Polyhydroxystearic Acid (<i>and</i>) Octyldodecanol - innolient™ LO	3.00	Emollient
Titanium Dioxide (<i>and</i>) Silica	4.00	UVB and UVA Filter

INCI name	%	Function
PHASE C		
Cyclomethicone	2.00	Emollient
Dimethicone	1.00	Emollient
PHASE D		
Glycerin (and) Water (and) Phaseolus Radiatus Meristem Cell Culture Extract- Plant C-Stem™ Vigna Radiata	1.00	Restoring UV Damages Active Ingredient
PHASE E		
Preservative	a.n.	Preservative
Parfum	a.n.	Parfum
VISCOSITY after 24h Brk, RVDV-I Prime, Sp 93, 10 rpm 30000 – 55000 cps		pH (100%) 5.0 – 7.0

Procedure:

- Prepare phase A and phase B separately;
- At room temperature mix the ingredients of phase A and adjust pH value to 6.8-7.0 till obtain a clear solution;
- Warm phase A up to 75°C and disperse the thickeners (*phase A₁*) in it using a suitable dispersion unit;
- Warm phase B up to 75°C;
- Add phase B₁ to phase B;
- Add phase B+B₁ to phase A+A₁ and homogenize for a few minutes;
- Add phase C and continue to homogenize;
- Cool down to 40°C under gentle stirring and add phases D and E.