



Sun Protection Spray

Light and easy to apply sun protection spray with non-tacky application. Alphaflow® is a photostable and hypoallergenic emollient. Creasperse® is a range of easy and ready to use predispersed UV-filters with rutile type of TiO₂. Creanatural® BioCollagen offers longterm moisturisation through preventing TEWL.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
	Water	q.s.	
	Butylene Glycol	3,00	
	Xanthan Gum	0,20	
	Disodium EDTA	0,10	
	Chlorphenesine	0,20	
	Sodium Citrate	0,60	
	Hydrogenated Lysolecithin	0,80	
	Hydrogenated Lecithin	1,20	
	Allantoin	0,40	
Phase B			
	Glyceryl Linoleate (and) Glyceryl Oleate (and) Glyceryl Linolenate	2,00	
	Tocopheryl Acetate	1,00	
	Stearyl Glycyrretinate	0,05	
	Poloxamer 124	2,00	
	Ethylhexyl Triazone	2,00	
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	3,00	
	Octocrylene	6,00	
	Butyl Methoxydibenzoylmethane	2,50	
	Hydrogenated Polydecene	3,00	1)
Alphaflow® 20			
Phase C			
Creasperse® TR 22 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	7,00	1)
Creasperse® TR 35 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	5,00	1)
	Alpha-Bisabolol	0,50	
Phase D			
Creanatural® BioCollagen	Water (and) Glycerine (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Natto Gum (and) *preservative	5,00	1)
	Sodium Hyaluronate	0,03	
	Hyaluronic Acid	0,03	
	Hydrolyzed Hyaluronic Acid	0,04	
	Panthenol	1,00	

* Preservative systems is tailor made upon customer's request

Procedure:

1. Heat up phase A to temperature of 70°C-75°C and keep under agitation until homogeneous.
2. Heat up phase B to temperature of 70°C-75°C and keep under agitation until homogeneous.
3. Add phase B into phase A and homogenize (6000rpm) for 5 minutes. Let cool down to temperature below 35°C.
4. Add phase C into the mixture (A+B) and keep under agitation until homogeneous.
5. Add phase D into the mixture (A+B+C) and homogenize (6000rpm).
6. Adjust 5,30<pH<5,70

Suppliers:

- 1) CIT SARL

Testing:

SPF in Vitro: 28,9

UVA Ratio: 0,84

Star Category: **** Maximum

Critical Wavelength: 381 nm