



Aqua Sun Fluid with SPF 30

Light and fresh like water, this sun fluid adapts to the skin surface with a smooth, fresh feel. Based on the combination of two Creasperse® UV dispersions, which give broad SPF/UVA protection without any risk of sedimentation. Creaspheres® PMMA provide light diffusing properties as well as reduce any tackiness in the formulation. Fully natural Biomethics® emulsifiers have excellent skin compatibility and do not irritate skin's own barrier as traditional emulsifiers do. Creanatural® BioCollagen is a light film former with good moisture retention properties.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
	Water	q.s.	
	Butylene Glycol	2,50	
	Xanthan Gum	0,20	
	Disodium EDTA	0,05	
	Chlorphenesin	0,20	
Biomethics® Solanum O/W	Solanum Tuberosum (Potato) Starch (and) Water (and) Limnanthes Alba (Meadowfoam) Seed Oil (and) Sucrose Stearate (and) Hydrogenated Lecithin (and) Xanthan Gum (and) * <i>preservative system</i>	4,00	1)
Phase B			
	Behenyl Alcohol	0,20	
	Ethylhexyl Methoxycinnamate	7,00	
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	3,75	
	Phenoxyethanol	0,50	
Phase C			
Creanatural® BioCollagen	Water (and) Glycerine (and) Butylene Glycol (and) Zea Mays (Corn) Starch (and) Natto Gum (and) Methylparaben (and) * <i>preservative</i>	5,00	1)
	Hyaluronic Acid	0,05	
Phase D			
Creaspheres® PMMA WL 6	Polymethyl Methacrylate	1,80	1)
Creasperse® TR 22 AF 65	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	13,00	1)
Creasperse® TR 14 AF 50	Titanium Dioxide (and) Hydrogenated Polydecene (and) Hydroxystearic Acid	10,00	1)
Phase E			
	Alcohol	8,20	

Procedure:

1. Heat up phase A to temperature of 70-75°C and keep under agitation until homogeneous.
2. Heat up phase B to temperature of 70-75°C and keep under agitation until homogeneous.
3. Add phase B into phase A, keep heated and under agitation for 15 minutes.
4. Homogenize (6000rpm) the mixture (A+B) for 5 minutes, and cool down to temperature below 35°C.
5. Add phase C into the mixture (A+B) and homogenize (6000rpm) for 2-3 minutes.
6. Add phase D into the mixture (A+B+C) and homogenize (6000rpm) for 2-3 minutes
7. Add phase E into the mixture (A+B+C+D) under moderate agitation until homogeneous.

Suppliers:

- 1) CIT SARL

Testing:

SPF in Vitro: 45,0

UVA Ratio: 0,74

Star Category: ***

Critical Wavelength: 378nm