

Guide Formulation

Personal Care

Waterdrop BB Cream (SPF 30, PA++) (MS_04)

This waterdrop formulation is super-lightweight giving a watery performance. SeraSol® EL 92A is an emulsifying elastomer, making it extremely stable with a soft, powdery after-feel. SeraSense® SF CM5 gives fast absorption and a cool feeling.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Phase A			
Dimethicone (and) Dimethicone/PEG-10/15 Crosspolymer	5.00	SeraSol® EL 92A/KCC Beauty	Emulsifier
Cyclopentasiloxane	11.50	SeraSense® SF CM5/KCC Beauty	Solvent/Emollient
BB Base	8.00	BB Base/EnTOP	Pigment
EthylhexylMethoxycinnamate	7.00	Uvinul MC-80/BASF	UVB Absorber
Phase B			
Aqua (Water)	To 100	-	Vehicle
Glycerin	20.00	Various	Humectant
Sodium Chloride	1.20	Various	Buffer
Phase C			
Phenoxyethanol	0.30	Various	Preservative
Caprylhydroxamic Acid (and) Caprylyl Glycol (and) Glycerin	0.30	Spectrastat/Azelis (Inolex)	Preservative
Parfum (Fragrance)	q.s.	-	Fragrance

Typical Properties

Appearance:	Beige, Viscous Emulsion
Viscosity @ 25°C:	30,000 - 35,000cP (Brookfield LVDV II, LV-4, 6rpm)
pH @ 25°C:	n/a

Method

Mix the ingredients of Phase A until homogenous

In a separate vessel, mix the ingredients of Phase B until homogenous. Slowly add Phase B to A with stirring

Slowly add Phase C to A+B, with stirring



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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

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