

Moisturizing Baby Lotion

This formulation is designed to be gentle and non-irritating, hence suitable even for babies. Alphaflow® 30 is used here as an emollient as it is completely photostable and hypoallergenic. Meadowfoam Seed Oil offers skin care benefits and natural Vitamin E to protect the delicate baby skin. Creagel® EZ NI is an ethoxylate-free thickener, which allows to use a minimum quantity of surfactants so the barrier function of the skin would not get disrupted by the product.

Ingredients	INCI Name	Qty%	Supplier
Phase A			
	Glyceryl Stearate	2,10	
	PEG-100 Stearate	1,60	
	Behenyl Alcohol	1,00	
	BHT	0,05	
Meadowfoam Seed Oil®	Limnantes Alba (Meadowfoam) Seed Oil	1,80	1)
Alphaflow® 30	Hydrogenated Polydecene	10,00	1)
Phase B			
	Water	q.s.	
	Glycerin	2,00	
	Xanthan Gum	0,20	
	Disodium EDTA	0,05	
Phase C			
Creagel® EZ NI	Sodium Acrylate /Sodium Acryloyldimethyl Taurate Copolymer (and) Hydrogenated C6-14 Olefin Polymers (and) Olea Europa (Olive) Fruit Extract (and) Beta-Sitosterol (and) Tocopherol	1,00	1)
Phase D			
	Parfum	0,35	
Phase E			
	Chlorhexidine Digluconate	0,50	

Procedure:

1. Heat up phase A to temperature of 70 - 75°C and keep under agitation until homogenous.
2. Heat up phase B to temperature of 70 - 75°C and keep under agitation 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.
5. Cool down to temperature below 35°C and add phases C, D and E.
6. Homogenize (6000rpm) the mixture (A+B+C+D+E) for 2-3 minutes.
7. Adjust pH value to 6,30 - 6,40.

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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