

Starting point formulation – Bodylotion (O/W) for normal up to dry skin – extra care

The moisturizing body lotion offers intensive care with urea, glycerine, panthenol and aloe vera. The pleasantly light texture is created using modern gelling agents such as **GELWHITE-H XR** and **TIXOGEL-DMC** – for silky application and rapid absorption. Ideal for long-lasting care and protection of your skin.

Formulation

Position	Component	INCI	Supplier	Function	Dosage (%)
A	Water demineralized	Aqua		Carrier	62.05
	GELWHITE-H XR	Bentonite	BYK	Rheologie modifier	1.50
	Blanova Aloe Vera Gel 200x FD Powder	Aloe Barbadensis Leaf Juice Powder, Citric Acid	Azelis	Active	0.10
	Urea	Urea	Carl Roth	Moisturizer	7.50
	D-Panthenol 75 W	Panthenol, Aqua	BASF	Active	1.50
	Glycerin 99.5 %	Glycerin	Sigma Aldrich	Moisturizer	3.00
B	Eumulgin SG	Sodium Stearoyl Glutamate	BASF	O/W-Emulsifier	1.50
	Plantasens Emulsifier PGDS	Polyglyceryl-2 Distearate	Clariant	O/W Co-Emulsifier	0.75
	TIXOGEL-DMC	Dimethicone, Quaternium-90 Bentonite, Triethyl Citrate	BYK	Rheologie modifier	5.00
	TEGOSOFT OER MB	Oleyl Erucate	Evonik	Emollient	5.00
	CETIOL® OE	Dicaprylyl Ether	BASF	Emollient	4.50
	Sweet Almond Oil	Prunus Amygdalus Dulcis Oil	Henry Lamotte	Emollient	3.50
	KAHLWAX 6684	Jasminum Grandiflorum Flower Cera	KAHL	Refatting agent	0.50
C	Butterfly Kiss	Fragrance	Voegele	Parfum	0.20
	Rokonsal BSB-N	Benzyl Alcohol, Glycerin, Benzoic Acid, Sorbic Acid	Ashland	Preservative	0.80
D	Citric Acid Solution 10 %	Citric Acid, Aqua	Carl Roth	pH-adjuster	2.60
Total					100.00

Instructions (manufacturing procedure)

- Demineralized water is prepared first. Add GELWHITE-H XR and stir for 30 min (wingstirrer 800 rpm). The remaining raw materials of phase A are then added one after the other, in the specified order, and dissolved until you have a clear solution.
- Heat up Phase A to 75 °C.
- Add the materials of phase B into another beaker. Heat up to 80 °C and stir for a short time to get a homogeneous mixture.
- Transfer Phase B into Phase A while stirring (wingstirrer 800 rpm). After emulsification stir for 1 minute (wingstirrer 800 rpm).
- Homogenize with an IKA Ultra Turrax for 1 minutes at 8,600 rpm.
- Cool down to < 40 °C while stirring (wingstirrer 500 rpm).
- Add Phase C and stir it homogenously (wingstirrer 500 rpm). Homogenize once again with IKA Ultra Turrax (8,600 rpm/1 min).
- Cool down to room temperature. At last adjust the pH-value to 5.0–5.5 with Citric Acid Solution.

Characteristic data

- Appearance: pale yellow viscous emulsion.
- Storage stability: 3 months at 40 °C.

TIXOGEL-DMC is a rheology additive that thickens the oil phase and stabilizes the entire formulation while providing a very pleasant skin feel.

GELWHITE-H XR is a highly purified rheology additive based on natural bentonite for use in personal care applications as a thixotropic gelling agent in aqueous systems, offering excellent anti-settling and stabilization properties (NATURE approved).



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