



IN-SHOWER BODY LOTION

7138



The in-shower body lotion is a faster way to hydrate your skin, under the shower. This kind of formula tend to be very common in USA. Thanks to Montanov™S, the hydration could be improved easily.

Formula

A	• MONTANOV™S (<i>Coco-Glucoside and Coconut Alcohol-SEPPIC</i>)	3.00 %
	• Cetearyl Alcohol	4.00%
	• Mineral Oil	10.00%
	• Petrolatum	8.00%
	• Dimethicone	0.50%
B	• SIMULGEL™EG (<i>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 80 – SEPPIC</i>)	1.00%
	• Xanthan Gum	0.30%
C	• Water	QSP100
	• Glycerine	5.00%
	• EUXYL™ PE9010 (<i>Phenoxyethanol and Ethylhexylglycerin – Schülke</i>)	0.50%

Manufacturing Procedure (lab scale – 300grams)

Combine phase A & C separately and heat to 70C. When Phase A is completely melted, add phase B into it. Add phase C to phase A + B and homogenize the batch 4 minutes at 4000rpm. Stop homogenizing and start to slowly cool down the batch with very gentle agitation with planetary mixing blade to ambient temperature.

Comments

MONTANOV™ S Glucolipid co-emulsifier in harmony with nature. The combination of SIMULSOL 165 / MONTANOV S makes it possible to guarantee the preservation of a smooth texture over time. This combination facilitates the formulation of sun-care products that are stable in terms of texture, dispersion of sunscreens, protection factor, etc. MONTANOV S also facilitates the introduction of oils in 2-in-1 cleansing formulas, giving the product a non-pearlescent opaque effect.

SIMULGEL™ EG Thickening and emulsifying agent in liquid form. Very easy to use (no predispersion or neutralization). SIMULGEL EG produces gel-creams with a rich, silky texture that are easy to apply and rapidly absorbed by the skin. SIMULGEL EG emulsifies all types of oil phase without heating to produce gel-creams with a rich, silky texture that are easy to apply and rapidly absorbed by the skin. SIMULGEL EG is compatible with acid pH formulas. It can be used to formulate clear emulsions in combination with volatile silicones and glycols.

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SIMULGEL EG can be used as a gelling agent in formulas with a high content of solvents (ethanol, glycols, acetone, etc.). SIMULGEL EG perfectly stabilizes emulsions against high temperatures. It provides rich, silky texture that are easy to apply and rapidly absorbed by the skin. SIMULGEL EG perfectly stabilizes fluid and even extra-fluid emulsions. Thanks to its rheothinning properties, SIMULGEL EG is useful to formulate sprayable emulsions.

Characteristics

Appearance	White lotion
pH	6.5
Viscosity room temp D1	50,000 cps, DV Brookfield, Spindle #64 @ 6rpm
Viscosity after 1 month at RT	39,000 BROOKFIELD LV4 6rpm
Viscosity after 1 month at 45°C	43,000 BROOKFIELD LV4 6rpm
Stability	Stable > 3 months at room temperature & 45°C Stable after 3 freeze/thaw cycles

Notes

Mineral oil : Drakeol LT 10 (PENRECO)
Petrolatum : Regent White (PENRECO)
Dimethicone : DMF-350-CS (SHIN ETSU)
Xanthan Gum : Keltrol CGT (KELCO)

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