



Natural Hand Wash feat. SCS

with Aloe Vera

M25 004

This gentle liquid soap is formulated with a natural surfactant system based on **Sodium Coco Sulfate (SCS)** and Alkyl Polyglucosides (APGs), including **Coco Glucoside** and **Lauryl Glucoside**, in perfect harmony for effective yet mild cleansing. Enriched with **Aloe Vera**, known for its soothing and moisturizing properties, leaving skin soft and refreshed. The recipe is fully compliant with natural cosmetic standards, making it ideal for eco-conscious formulations.

Phase	Ingredient	INCI-Name	Supplier	% w/w
A	Water	Aqua/Water		ad. 100
	EMPICOL® CZ / N	Sodium Coco-Sulfate (92%)	INNOSPEC	5.81
B	Sodium Lactate 60%	Sodium Lactate, Aqua/Water	STOCKMEIER	1.00
	Pureact Gluco C	Coco-Glucoside (50%)	INNOSPEC	3.00
	Pureact Gluco L	Lauryl Glucoside (50%)	INNOSPEC	5.00
C	SENSICARE® C 2020	Glycerin, Sodium Levulinate, Sodium Anisate, Aqua/Water	CHEMIPOL	4.00
	Apri®Soft Aloe Vera FD 200:1	Aloe Barbadensis Leaf Juice Powder	STOCKMEIER	0.05
D	Apri®Glu CG-CO 400	Coco-Glucoside, Glyceryl Oleate (65%)	STOCKMEIER	1.00
	Fragrance	Parfum		0.25
E	Lactic Acid 80%	Aqua/Water, Lactic Acid	STOCKMEIER	0.50
F	Sodium Chloride 25%	Aqua/Water, Sodium Chloride	STOCKMEIER	3.00

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(*GAMMA – HDS – KEMTAN – STOCKMEIER)

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Manufacturing Procedure

- 1) Add water and dissolve SCS while gently heating to 30–35 °C (A).
- 2) Incorporate the ingredients of Phase B one by one, stirring continuously.
- 3) Maintain the temperature until all components are fully dissolved, then begin cooling.
- 4) Pre-disperse aloe vera in phase C, add to the mixture, and stir until completely dissolved.
- 5) Pre-mix phase E to improve solubility, then add to the mixture and stir thoroughly.
- 6) Check and adjust the pH to 5.5 using lactic acid (E).
- 7) Add NaCl solution (F) gradually until the desired viscosity is achieved.

Typical Properties

ASM	10.0%
Appearance	almost clear, colourless gel, scented
pH-value (@20°C)	5.4 – 5.6
Viscosity (@20°C)	3.000 – 3.600 Pa*s (50 rpm, L4)
Stability	6 weeks, 20°C and -5°C to 40°C cycles

Disclaimer

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