



PERSONAL CARE  
**BODY TREATMENT**



**LIQUID HAND SOAP  
[RD-01]**

# LIQUID HAND SOAP [RD-01]

PHASE	INCI	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		up to	solvent
	Sodium Benzoate, Potassium Sorbate		0,05	preservative
	MEA Lauryl Sulfate	ROSulfan®M	12,00	surfactant
	Sodium Laureth Sulfate	SULFOROKAnol® L227/1	10,00	surfactant
	Cocamide DEA	ROKAmid KAD	1,00	surfactant
	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	1,00	re-oiling agent
B	Parfum		0,30	fragrance
	Cocamidopropyl Betaine	ROKamina®K30	7,00	surfactant
	Sodium Chloride		0,80	viscosity modifier
C	Citric acid		q.s.	pH modifier



pH		4.8 - 5.5
Apperance	visual method	clear, homogenous liquid
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 6000
Stability	month at 5°C, RT, 40°C	confirmed

## Procedure:

1. Add ingredients from phase A to warm water (50-55°C). Mix until homogenous solution is obtained.
2. Cool the batch down to at least 35°C.
3. Add parfum and Cocamidopropyl Betaine during mixing. Mix until homogenous solution is obtained.
4. If necessary, add Sodium Chloride to adjust the viscosity. NOTE: it is very important to equilibrate a sample at 25°C for at least one hour to get an accurate viscosity measurement.
5. If necessary, adjust pH by Citric Acid to 4.8 - 5.5.



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