



PERSONAL CARE
HAIR TREATMENT



**SHAMPOO FOR
DAMAGED AND FRAGILE
HAIR [SZ-03]**

SHAMPOO FOR DAMAGED AND FRAGILE HAIR [SZ-03]

PHASE	INCI NAME	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		46.62	solvent
	Xanthan Gum		0.75	viscosity modifier
	Glycerin		2.00	moisturising agent
	Microcrystalline Cellulose		0.50	viscosity modifier
B	Aqua		13.00	solvent
	Citric acid		0.20	pH modifier
	Polyquaternium 10		0.03	conditioning agent
	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	2.00	re-oiling agent
	Ammonium Lauryl Sulfate	ROSULfan® A	10.00	surfactant
	Sodium Lauroyl Sarcosinate	ROKAtend LS	20.00	surfactant
	Cocamidopropyl Betaine	ROKAmina®K30	3.50	surfactant
C	Parfum		0.40	fragrance
	Ehylhexyl Glycerine, Phenoxyethanol		1.00	preservative



pH		5.0 – 7.0
Apperance	visual method	viscosus milky gel
Viscosity [cP]	Brookfield LV, spindle 34, speed 3.0 RPM, T: 25°C	9000 – 11000
Stablility	1 month at 5°C, RT, 40°C	confirmed

Procedure:

1. In a main vessel combine ingredients from the phase A. Add Xanthan Gum to Glycerin - mix until homogenous solution is obtained. Add warm water (50-55°C) and Microcrystalline Cellulose. Mix until homogenous solution is obtained. Homogenise for 2-3 minutes.
2. Combine ingredients from the phase B. During mixing add Citric Acid and Polyquaternium-10 to warm water (50-60°C). Mix until homogenous solution is obtained. Add the rest of the phase B components. Mix until uniform.
3. Add phase B to phase A. Mix until homogenous solution is obtained. Cool the batch down to 30°C.
4. When the batch temperature is 30°C, add parfum and preservative. Mix until uniform.



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