



PERSONAL CARE
HAIR TREATMENT



PEARL SHAMPOO
[SZ-02]

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PHASE	INCI NAME	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		39,89	solvent
	Citric acid		0,06	pH modifier
	Polyquaternium 10		0,15	conditioning agent
	Disodium Laureth Sulfosuccinate	EXOsoft L3/40	2,50	surfactant
	Sodium Laureth Sulfate	SULFOROKAnol® L227/1	30,00	surfactant
	Sodium Lauroyl Sarcosinate	ROKAtend LS	15,00	surfactant
	B	PEG-7 Glyceryl Cocoate	ROKAcet KO300G	1,50
PEG-120 Methyl Glucose Dioleate			1,00	thickening agent
C		Parfum		0,50
	Ethylhexyl Glycerine, Phenoxyethanol		1,00	preservative
	Cocamidopropyl Betaine	ROKAmina®K30	6,00	surfactant
D	Sodium Laureth Sulfate and Cocamide DEA and Glycol Distearate	EXOpearl N	1,00	pearling agent
E	Sodium Chloride		1,40	viscosity modifier



pH		5.0 - 7.0
Apperance	visual method	viscous, pearl gel
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	3000 - 6000
Stablility	1 month at 5°C, RT, 40°C	confirmed

Procedure:

1. Add ingredients from phase A to the hot water (70-75°C). While mixing add ingredients one after another in the order from the table above. Mix until uniform. NOTE. Add Polyquaternium-10 and mix until homogenous liquid is obtained. Add the rest of the phase A components.
2. Cool the batch down to at least 50°C.
3. Add PEG-120 Methyl Glucose Dioleate and PEG-7 Glyceryl Cocoate during mixing. Mix until uniform. Cool the batch down to at least 35°C.
4. Add fragrance, Cocamidopropyl Betaine and preservative during mixing. Mix until uniform.
5. Add pearling agent. Mix until uniform.
6. Add NaCl to adjust the viscosity. NOTE. Add salt (not in one go) – after addition of each portion mix well.
7. Control the pH range – if necessary, add Citric Acid. Mix well after adjustment.
8. Control the viscosity if necessary, add Sodium Chloride.



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