



PERSONAL CARE
HAIR TREATMENT



MILD BRIGHT-GREEN SHAMPOO [SZ-05]

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PHASE	INCI NAME	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		up to 100.00	solvent
	Benzophenone-4		0.05	UV absorber
	CI 19140		q.s.	colorant
	CI 42090		q.s.	colorant
	Ammonium Laureth Sulfate	SULFOROKAnol®A325/1	35.00	surfactant
	Ammonium Lauryl Sulfate	ROSULfan® A	15.00	UV absorber
	Sodium Benzoate, Potassium Sorbate		0.60	preservative
B	Citric acid		q.s.	pH modifier
	Aqua		1.50	solvent
	Citric acid		0.01	pH modifier
	Polyquaternium 10		0.02	conditioning agent
C	Parfum		0.50	fragrance
	Cocamidopropyl Betaine	ROKAmina®K30	5.00	surfactant
	Sodium Chloride		1.80	viscosity modifier



pH		4.7 – 5.5
Apperance	visual method	bright-green clear liquid
Viscosity [cP]	Brookfield LV, spindle 34, speed 2.5 RPM, T: 25°C	2000 – 5000
Stablility	1 month at 5°C, RT, 40°C	confirmed

Procedure:

1. During mixing add Citric Acid and polyquaternium-10 to warm water (40-45°C). Mix until homogenous solution is obtained.
2. Add ingredients from phase A to warm water (40-45°C). While mixing add ingredients one after another in the order from the table above. Mix until uniform.
3. Add phase B to phase A. Mix until homogenous solution is obtained. Cool the batch down to 35°C.
4. Add parfum and Cocamidopropyl Betaine during mixing. Mix until homogenous solution is obtained.
5. If necessary, add Sodium Chloride to adjust the viscosity.
6. Control pH range – if necessary, add Citric Acid. Mix well after adjustment.



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