



PERSONAL CARE
HAIR TREATMENT



**MILD BRIGHT-GREEN
SHAMPOO [SZ-05]**

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PHASE	INCI	BRAND NAME	CONCENTRATION [%]	FUNCTION
A	Aqua		up to	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
Stability	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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PCC Group
Sienkiewicza 4
56-120 Brzeg Dolny
Poland

e-mail: products@pcc.eu

