



Hair Care - Shampoo

SMC Taurate Gel Shampoo with Botanical Complex HCA

The Herbarie's SMC Taurate Surfactant (Sodium Methyl Cocoyl Taurate) and Plantapon LGC Sorb provide excellent lathering and cleansing with a lovely conditioned after-feel. Raspberry Dimethicone WS is highly substantive to hair and also functions as a solubilizer for essential and fragrance oils. Raspberry Dimethicone WS also offers light emolliency for conditioning and improved wet-comb and shine. Silk Amino Acids and Botanical Complex HCA smooth and strengthen the hair cuticle. This formula is recommended for all hair types.

Ingredient	Amount	
Part A		
Distilled Water	46%	= 230 grams
Botanical Complex HCA	5%	= 25 grams
DI Panthenol	1%	= 5 grams
Part B		
SMC Taurate Surfactant	30%	= 150 grams
Plantapon LGC Sorb	10%	= 50 grams
PEG 150 Distearate	1.7%	= 8.5 grams
Part C		
Silk Amino Acids	2%	= 10 grams
Raspberry Dimethicone WS	3%	= 15 grams
Essential Oil(s)	0.5%	= 2.5 grams
Optiphen ND	0.8%	= 4 grams
Total:	100%	= 500 grams

Heat Part A to 170F/75C. Heat Part B until PEG 150 Distearate melts. Combine Part A with Part B and mix gently. Cool down while stirring.

In Part C: When Combined A and B have cooled to 120F/50C or less add Silk Amino Acids to shampoo mixture. Set aside. Premix Raspberry Dimethicone WS, Essential Oils and Optiphen ND. Add small amount of shampoo mixture to premixed blend. Add entire premixed blend and mixture back into shampoo. Stir gently until blended.

--This formula could be easily be made into one for dry or color treated hair by adding 0.2-0.5% GuarSilk, 1-2% EmEster, 1% Botanical Complex LHC, or by increasing the percentage of Raspberry Dimethicone WS – or some combination of these conditioners/emollients.

--Essential oils and fragrance oils and other ingredients effect viscosity, more or less PEG 150 Distearate may be necessary.

--When making changes within a formula, remember to recalculate the percentages to make the formula balance. and/or additions to a formula, I typically subtract the same percentage from the water portion to make the formula balance.

The Herbarie formulas were created to demonstrate how our products can be utilized. This information is based on our knowledge and experiences and is believed to be accurate. We assume no liability in regards to these formulas and information. We urge our customers to do their own testing to ensure the products meet their own specifications.

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