



Sulfate-Free Shampoo

Phase	Ingredient	Wt. %
A	Deionised Water	33.82%
	Disodium EDTA	0.05%
	Sodium C14-16 Olefin Sulfonate	45.00%
	PEG-120 Methyl Glucose Dioleate	1.50%
	Zemea® Propanediol	4.75%
B	Cocamide MEA	3.00%
	Cocamidopropyl Betaine	10.00%
C	Preservative	0.06%
	Glycol Distearate	1.50%
D	Citric Acid (20%)	0.32%
	Total	100.00%

Manufacturing Process

1. Combine Phase A and slowly mix at 75°C.
2. Slowly add Phase B.
3. Mix at 75°C until uniform.
4. Cool to 25°C.
5. Add Phase C and continue mixing.
6. Adjust pH to 6.0-6.5 with phase D.

Product Features

1. Less reduction in viscosity.
2. High stability.
3. Good foam height and drainage.

For additional information or samples:

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