

## SHAMPOO WITH ZENIGLOSS

	PHASE	INGREDIENT	FUNCTION	% BY WEIGHT	BATCH SIZE
1.	A	DI WATER	DILUTENT	47.57	475.70
2.	A	DISODIUM EDTA	CHELATING AGENT	0.10	1.00
3.	A	WATER/SODIUM LAURETH SULFATE/ METHYLCHLOROISOTHIAZOLINONE/ METHYLISOTHIAZOLINONE	SURFACTANT BLEND	40.00	400.00
4.	B	PEG-20 STEARATE	EMULSIFIER	3.00	30.00
5.	B	<b>CASTOR ISOSTEARATE SUCCINATE (ZENIGLOSS)</b>	EMOLLIENT/GLOSS AGENT	0.25	2.50
6.	B	WATER/COCAMIDOPROPYL BETAINE/ SODIUM CHLORIDE	FOAM BOOSTER/ VISCOSITY AGENT	5.00	50.00
7.	C	WATER/MAGNESIUM NITRATE/ METHYLCHLOROISOTHIAZOLINONE/ MAGNESIUM CHLORIDE/ METHYLISOTHIAZOLINONE	PRESERVATIVE	0.08	0.80
8.	C	PANTHENOL/WATER (75% SOLN)	EMOLLIENT	1.00	10.00
9.	D	WATER/SODIUM HYDROXIDE (25% SOLN)	PH ADJUSTER	0.50	5.00
10.	D	SODIUM CHLORIDE	VISCOSITY ADJUSTER	2.50	25.00
		Total		100.00	1000.00

### Manufacturing instructions:

Mix phase A together in main vessel. In a separate vessel mix phase B and warm to 50°C –add to phase A with stirring. Add phase C while mixing. Adjust the pH to 5.4-6.2 using sodium hydroxide solution and adjust viscosity with the addition of sodium chloride as needed.

Viscosity – Spindle 3/Speed 12 – 4,500 – 5,500 cps @ 25°C

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