

Hair Shampoo <Pearl> NSPX-0019

This mild shampoo is made for natural concept.
AMIHOPE LL improves conditioning property of the shampoo.
 (Technical Data Sheet No. 0501-0190E, -0260E)

	(wt%)	
A XANTHAN GUM*1	1.00	Thickening polymer
B WATER	49.00	
C AMISOFT CS-22 (25%)	10.00	Cleansing surfactant
COCO-GLUCOSIDE (52%)*2	6.00	Co-surfactant
GLYCERYL CAPRYLATE*3	2.00	Foam booster
ARGININE	0.30	Foam booster
WATER	balance	
D AMIHOPE LL	0.63	Conditioning / peralizing agent & foam booster
SODIUM HYDROXIDE	0.14	Neutralizer for LL
WATER	2.43	
E LAURYL GLUCOSIDE (50%)*4	0.75	Dispersing agent
DECYL GLUCOSIDE (50%)*5	0.75	Dispersing agent
F CITRIC ACID (30% aq.)	1.00	pH adjuster
G CITRIC ACID (30% aq.)*6	2.00	pH adjuster
	100.00	

- 1 Thoroughly disperse part A in part B at room temperature.
- 2 Add part C to part A and stir until homogeneous at room temperature.
- 3 In a separate vessel mix part D and stir until it becomes clear.
- 4 Add part E to part D with gentle stirring.
- 5 While agitating part D add part F and stir until homogeneous
<Recrystallized **AMIHOPE LL** concentrate>.
- 6 Add part D to part A with stirring.
- 7 Adjust the pH to 5.4 with part G.

- * 1 KELTROL CGT CP KELCO
- * 2 PLANTACARE 818UP BASF
- * 3 SUNSOFT 700-P2 TAIYO KAGAKU
- * 4 PLANTACARE 1200UP BASF
- * 5 PLANTACARE 2000UP BASF
- * 6 The level of citric acid is presented as a rough guide.

pH; 5.4

Viscosity; 2,000 - 3,000 mPa.s (B type, rotor No.3, 30rpm, 30sec., 25°C)

Stability; 50°C, 40°C, 25°C, 0°C, -5°C, Cycle for a month.

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