

ACAC FORMULATION

July.2015

Silicone-free Hair Shampoo <Pearl> ACAC-SH-150724-1

AMISOFT ECS-22SW maintains hair moisture and prevents damaged of hair cuticle.
ELDEW PS-203R and **PRODEW 500** improves hair hydrophobicity and shine and prevents dry scalp.

	(wt%)	
A AMISOFT ECS -22W(30%)	25.00	Primary surfactant
COCAMIDOPROPYL BETAINE(30%)*1	10.000	Foam booster
SODIUM LAUROAMPHOACETATE(32%)*2	15.00	Secondary surfactant
DECYL GLUCOSIDE(50%)*3	4.00	Foam booster
ELDEW PS-203R	0.20	Emollient
WATER	balance	
B ACRYLATES CROSSPOLYMER-4*4	6.50	Thickener
WATER	15.00	
C PRODEW 500(50%)	2.00	Moisturizer
D GLYCOL DISTEARATE	1.50	Pearlizing agent
E PRESERVATIVE	q.s.	
F CITRIC ACID(30%) aq. to pH 5.8**	3.57	pH-adjuster

- 1 Mix part A with gentle stirring at room temperature.
- 2 Add part B to mixture at room temperature.
- 3 Add part C at room temperature.
- 4 Heat mixture of part ABC up at around 70-80°C.
- 5 Add part D at around 70-80 °C.
- 6 Cool down to room temperature.
- 7 Add part E and F at room temperature and keep stirring until uniform.

- * 1 DEHYTON K BASF
- * 2 MIRANOL L-32 SOLVAY
- * 3 PLANTACARE 2000UP BASF
- * 4 CARBOPOL AQUA SF-2 LUBRIZOL
- ** The level of Citric acid is presented as a rough guide

pH 5.80
Viscosity 3,800-5,500 mPa.s(64, 30rpm, 30sec.,25°C.)
Stability 1, 25, 45, 50°C, Cycle(-5<=> 40degC) for 3 months

Note; The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual