

**HAIR SHAMPOO <TRANSPARENT> CCS-112**

A cleansing shampoo which refreshes the hair and scalp.

**AMILITE GCS-12K** improves volume and smoothness of the foam.

(Refer to Technical Data Sheet No. 01150-1000E)

	(wt%)	
A SODIUM LAURETH SULFATE (27%)*1	27.00	Cleansing surfactant
COCAMIDOPROPYL BETAINE (30%)*2	14.00	Co-surfactant
<b>AMILITE GCS-12K (30%)</b>	<b>12.00</b>	Foam booster
<b>AJIDEW NL-50 (50%)</b>	<b>1.00</b>	Viscosity modifier
GLYCERIN	3.00	Moisturizer
PRESERVATIVE	q.s.	
POLYQUATERNIUM-10 (2%aq.)*3	10.00	Hair conditioning agent
WATER	Balance	
B PEG-150 DISTEARATE*4	0.40	Thickening polymer
C CITRIC ACID (20%aq.)*5	0.81	
D AMODIMETHICONE*6	0.30	Hair conditioning agent
E FRAGRANCE	q.s.	
	100.00	

- 1 Dissolve part A at 60-70°C with stirring.
- 2 Add part B to part A.
- 3 Add part C to adjust pH to 6.9.
- 4 Cool down to 45°C, and add part D and part E.
- 5 Cool down to room temperature with stirring.

- \* 1 EMAL E-27C                      KAO
- \* 2 AMPHITOL 55AB                KAO
- \* 3 LEOGARD GP                    AKZO NOBEL SURFACE CHEMISTRY AB
- \* 4 EMANON 3299V                 KAO
- \* 5 The level of citric acid is presented as a rough guide.
- \* 6 FZ-4671                         DOW CORNING TORAY

pH                      6.9  
 Viscosity            4,800-5,200 mPa.s (B type, Rotor No.3, 12rpm, 30sec., 25°C)  
 Stability             -5, 25, 45°C, Cycle, for one month

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 property rights.