

## Natural Hair Shampoo <Transparent> CSAN-5W

**AMISOFT** ECS-22W provides rich foam and smooth hair feel.  
Challenge test data is available (Technical Data Sheet No. 0101-4270E).

	(wt%)	
A <b>AMISOFT ECS-22SW(30%)</b>	10,0	Foaming cleansing surfactant
DECYL GLUCOSIDE(50%)*1	10,0	Foaming cleansing surfactant
GLYCERYL CAPRYLATE*2	0,2	Viscosity modifier
DISODIUM COCO-GLUCOSIDE CITRATE*3	5,0	Solubilizer
B XANTHAN GUM*4	1,0	Thickening polymer
Water	balance	
C CITRIC ACID 10% aq.*5	2,8	pH adjustment
D <b>CAE</b>	0,2	Hair conditioning, anti-microbial
Water	5,0	
	100,0	

- 1 Mix part B.
- 2 Heat part A to 60 °C with stirring and dissolve.
- 3 Add part A to B while stirring slowly and mix well.
- 4 Add part C and mix well.
- 5 Heat part D to 50°C while stirring, add part D to part A.

- \* 1 Plantacare 2000up BASF
- \* 2 Sunsoft No.700P-2 Taiyo Kagaku Kogyo
- \* 3 Eucarol AGE EC Lamberti SpA
- \* 4 Keltrol CG-SFT CP Kelco
- \* 5 The level of citric acid is presented as a rough guide.

pH 5,8  
 Viscosity 5,000mPa.s (B type, rotor No.3, 12rpm, 30sec., 25°C)  
 Stability -5°C, 25°C, 40°C, Cycle(-5, 40°C) for 2 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 property rights.

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