

HAIR SHAMPOO <Transparent> CG-ZN14-28

A clear shampoo formula for normal to oily scalp type. **AMISOFT CS-22** provides gentle foam and moisturizing feel. **AJIDEW ZN-100** which is a multifunctional ingredient with sebum control and anti-bacterial properties.

	Trade name	INCI Name	wt %	Function
A	Ucare Polymer JR 400*1	Polyquaternium-10	0.2	Conditioning agent
	Deionized Water	Water	10.0	
B	Texapon N70 (70%)*2	Sodium laureth sulfate	15.43	Cleansing surfactant
	Dehyton K (30%) *3	Cocamidopropyl Betaine	10.0	Cleansing surfactant
	AMISOFT CS-22 (25%)	Disodium Cocoyl Glutamate, Sodium Cocoyl Glutamate, Water	7.0	Cleansing surfactant/ Mild surfactant
	Mackam 50SB (40%)*4	Cocamidopropyl hydroxysultaine	5.0	Amphoteric surfactant / Viscosity builder
	Cetiol HE*5	PEG-7 glyceryl Cocoate	2.0	Emollient
	AJIDEW NL-50 (50%)	Sodium PCA, Water	2.0	Moisturizer
	Deionized Water	Water	To 100	
C	NaCl	Sodium Chloride	0.6	Viscosity modifier
D	AJIDEW ZN-100	Zinc PCA	0.5	Sebum control
	Deionized Water	Water	5.0	
E	Preservative	Preservative	q.s.	Preservative
F	Citric acid (20% aq)	Citric acid	0.85	pH adjuster
Total			100.0	

*1 DOW CHEMICAL *2 BASF *3 BASF *4 SOLVAY *5 BASF

<PROCEDURE>

1. Disperse part A at room temperature.
2. Heat Part B ingredients to 80 °C with stirring until dissolved.
3. Add part A into part B until homogenous.
4. Cool down and add part C.
5. Cool to room temperature with stirring
6. Add part D.
7. Adjust pH to 5.5 with part F. Stir until homogeneous.
8. Add part E.

<PHYSICAL PROPERTIES and STABILITY>

Appearance: Clear and viscous

pH: 5.5

Viscosity: 6,219 mPa·s (Model:LVDV-II+Pro,30 rpm,64 spindle, 30sec., 25 °C)

Stability: 5°C, 25°C, 45°C, 50 °C, Cycle (-5↔40°C) 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 property rights.