

ACAC FORMULATION

Dec.2012

Clear Body Scrub Gel ACAC-BCSC-1

This is a transparent body wash with well suspended beads.

AMILITE ACS-12, a mild amino acid surfactant produces gentle cleansing with luxurious and **AJIDEW NL-50** prevents the skin from drying after scrubbing .

	(wt%)	
A WATER	10.0	
EDTA	0.1	Chelating Agent
SODIUM LAURETH SULFATE (70%)*1	15.0	Primary cleansing agent
AMILITE ACS-12 (30%)	8.0	Foamability improvement
GLYCERIN	6.0	Humectant
AJIDEW NL-50 (50%)	2.0	Moisturizer
COCAMIDOPROPYL BETAINE (30%)*2	8.0	Secondary cleansing agent
COCAMIDE DEA*3	3.0	Viscosity modifier
B SODIUM CHLORIDE	0.4	Viscosity modifier
C ACRYLATES COPOLYMER (30%)*4	5.0	Thickening Polymer
WATER	balance	
D 10% CITRIC ACID to pH 5.7	q.s.	pH adjuster
E PRESERVATIVE	q.s.	
F BEAD(TOCOPHERYL ACETATE CI77007 US: ULTRAMARINE	0.5	Exfoliating agent
	100.0	

- 1 Heat part A at around 80 °C at speed 400 ~ 500 rpm by overhead stirrer for 20 minutes.
- 2 Add part B to A while heating at around 70 ~75 °C at speed 400 ~ 500 rpm by overhead stirrer for 2 minutes.
- 3 Add part C to the mixture while heating at around 70 ~ 75 °C at speed 400 ~ 500 rpm by overhead stirrer for 2
- 4 Cool down to 45 ~ 50 °C.
- 5 Add part D and part E at speed 400 ~ 500 rpm by overhead stirrer for 5 minutes.
- 6 Add part F to the mixture and mix gently.

- * 1 TEXAPON N70 BASF
 - * 2 DEHYTON K BASF
 - * 3 COMPERLAND KD BASF
 - * 4 CARBOPOL AQUA SF-1 POLYMER LUBRIZOL
 - * 5 UNIPEARLS SBE INDUCHEM
- pH 5.6
Viscosity 50,000 mpa-s (rotor No. 4,10rpm, 24.4 °C)
Stability 1, 25, 45°C, Cycle(-5 <=> 40 °C) for 3 months

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