

HAIR CONDITIONER LLCBG-13

A CTAC-free, silicone-free hair conditioner formulation.

AMISAFE LL-DS-22 improves rinsability and dry hair sensory.

In addition, hair drying time is shortened.

(Technical Data Sheet No.0125-0740E, 760E, 0820E, 0980E, 0990E)

	(wt%)	
A BEHENTRIMONIUM CHLORIDE (80%)*1	1.3	Hair conditioning agent
B CETYL ALCOHOL*2	6.0	Emulsion stabilizer
AMISAFE LL-DS-22 (10%)	0.5	Texture modifier
C STEARAMIDOPROPYL DIMETHYLAMINE*3	0.2	Dispersant
GLYCERINE	8.0	Moisturizer
GLUTAMIC ACID	0.5	pH adjuster
PRESERVATIVE	q.s.	
WATER	Balance	
D FRAGRANCE	q.s.	
	100.0	

- 1 Dissolve part B at 70-80°C.
- 2 Add part A to dissolved part B at 70-80°C.
- 3 Dissolve part C at 70-80°C.
- 5 Add part C to part B at 80°C with stirring and emulify with homomixer at 3000rpm, 3min.
- 6 Cool down to 45°C with gentle stirring, and add part D.
- 7 Cool down to room temperature with stirring.

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|---------------------------|-----------------|
| * 1 ARQUARD 22-80 | LION |
| * 2 KALCOL 6870 | KAO |
| * 3 NIKKOL AMIDOAMINE MPS | NIKKO CHEMICALS |

pH 3.8
 Viscosity 25,00-45,000 mPa.s (B type, Rotor No.4, 6rpm, 30sec., 25°C)
 Stability 50°C, 45°C, 25°C, 0°C, 0°C, Cycle (-5°C~40°C) for one month

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