



Cosmetics

RR 8098

Baycusan® C 1004

Magic Length Mascara

		% by wt.
Phase A	Aqua	37.60
	Hydroxyethylcellulose ¹⁾	0.20
	Acacia Senegal Gum	1.75
	Triethanolamine	0.80
	Nylon-6	1.50
	Lecithin ²⁾	0.20
	Butylenglykol	1.00
Phase B	Glyceryl Stearate (and) PEG-100 Stearate ³⁾	3.00
	Cera Alba	2.50
	Cera Carnauba	3.15
	Paraffin	9.70
	Hydrogenated Olive Oil Stearyl Esters ⁴⁾	0.90
	PVP/Eicosene Copolymer ⁵⁾	2.00
	Cyclopentasiloxane (and) Dimethiconol	2.70
Phase C	Cyclopentasiloxane (and) Dimethicone (and) Vinyltrimethylsiloxysilicate Crosspolymer ⁶⁾	2.70
	Dimethicone	0.50
	Iron Oxide (black)	8.00
Phase D	Phenoxyethanol	0.80
	Isododecane	5.00
Phase E	Baycusan® C 1004	16.00
		100.00

Raw materials

- 1) Natrosol™ 250 HHR, Ashland
- 2) Emulmetik™ 100, Lucas Meyer
- 3) Arlacel™ 165, Croda
- 4) Phytowax® Olive 18L57, Seppic
- 5) Ganex® V-220F, Ashland
- 6) Belsil® RG 100, Wacker



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Processing

1. Hydroxyethylcellulose and Acacia Senegal Gum should be pre-dispersed with water at 60 °C in a suitable vessel. Add Butylenglycol and Lecithin later and stir. Use the Triethanolamine (99 % wt.) to adjust the PH to 6.5 – 7.0. Then add the Nylon-6 and keep stirring. When phase A is uniform, heat the phase A to 80 °C with stirring.
2. Phase B is weighted in a suitable vessel and heated to 90 °C until all waxes and solids are melted. Then add Phase C while stirring and keep stirring for 5 minutes.
3. Add phase D Isododecane while stirring for about 2 minutes. Add phase B-D into phase A slowly while stirring at 80 °C.
4. Stir for 5 minutes at 80 °C. Then the emulsion is homogenized at 90 °C for 15 minutes. Then cool to 45 °C. Baycusan® C 1004 is added to the emulsion while homogenization.

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