









Formulation sheet

Zemea® Umbrella for Lashes

Water-resistant and volume mascara

Phase	Trade/drug name	INCI name	Wt.%
А	_	Deionized water	46.20%
	Zemea® propanediol	Propanediol	3.00%
A ₁	Keltrol® CG-SFT	Xanthan gum	0.40%
A_2	CreaBlack® Super	CI 77499	10.00%
A_3	Saliguard® MEPX	Phenoxyethanol, methylparaben, ethylparaben	1.00%
	_	Sodium hydroxide (pellets 100%)	0.40%
В	Palmera® B1802	Stearic acid, palmitic acid	5.00%
	Cutina GMS V	Glyceryl stearate	3.50%
	Beeswax	Cera alba	5.50%
	DC SW-8005 C30 resin wax	C30-45 alkyldimethylsilyl polypropylsilsesquioxane	3.00%
	Xiameter® PMX-200 fluid 2 cs	Dimethicone	3.00%
С	DC 680 ID fluid	Polypropylsilsesquioxane, isododecane	2.00%
	Hybridur [®] 875 polymer dispersion	Polyurethane-2, polymethyl methacrylate	10.00%
	Planoxia-RG	Aqua, butylene glycol, Panax ginseng root extract	2.00%
	Coloursphere® WL 40 black HL	Styrene/acrylates copolymer, PEG 26-PPG 30 phosphate, CI 77499	5.00%
	Total		100.00%

Prototype formulation provided by: Biesterfeld Spezialchemie GmBH., Zagreb, Croatia

Proceedure

- 1. Heat phase A to 85°C while stirring.
- 2. Add and dissolve A1 while stirring. Then add A2 while stirring.
- 3. Add and dissolve A3 while stirring. Homogenize the complete water phase.
- 4. Heat phase B to 85°C-90°C. Emulsify phase A slowly to phase B while stirring. Homogenize.
- Cool down to room temperature and add the ingredients of phase C below 40°C in given order while stirring. Fill in container.
- Cool down to room temperature. Add ingredients of phase D below 40°C.

Product features

- 1. Appearance: black and shiny emulsion
- 2. Product benefit: long lasting, water resistant, voluminizing
- 3. Viscosity: 60000 10000 mpas (Brookfield DV-II: spindle 7, speed 10)
- Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C

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For additional information or samples, please contact Customer Service.

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