

Long-wear antiaging serum with Eastman GEM™ retinyl sunflowerate

This light, oil-free formula is unstoppable. It has the power of Eastman GEM™ retinyl sunflowerate as the active ingredient, which has been shown to reduce the appearance of fine lines and wrinkles after only 6 weeks of use. In addition, the serum has two film formers to hold it in place and keep it working on your skin. The retinoid is stabilized in the formula by the addition of the antioxidant BHT.

Part	Product name	Wt%	Ingredient/INCI name	Manufacturer	Function
A	Eastman AQ™ 55 polymer	5.0	Polyester-5	Eastman	Film former
	Laponite-XLG	0.9	Lithium magnesium sodium silicate	BYK/Eckart	Film former, thickener
	Hallstar® PEG 6000 DS	0.5	PEG-150 distearate	Hallstar	Emulsifier, thickener
	KELTROL® CG	0.1	Xanthan gum	CP Kelco	Thickener
	Deionized water	q.s.	Water (aqua)	—	—
B	Betafin® BP 20	1	Betaine	DuPont	Humectant
	2-ethylhexyl palmitate	2	Ethylhexyl palmitate	—	Emollient
	As determined by formulator	Varies	—	—	Preservative
C	Isopropyl alcohol, cosmetic	0.9	Isopropyl alcohol	Shell	Solvent
	Eastman GEM retinyl sunflowerate	0.1	Retinyl sunflowerseedate	Eastman	Antiaging active
	Eastman Tenox™ BHT	0.02	Butylated hydroxytoluene	Eastman	Antioxidant

PROCEDURE

1. Combine all part A ingredients in heated purified water (60°–70°C) and stir to completely disperse.
2. Add part B to the cooled water phase while mixing. Homogenize to form an emulsion.
3. Add part C (actives) and blend to combine.

TIP: Prepare part C as an actives premix and store protected from light and air. A suitable premix may contain 10% R-SUN, 2% BHT in pure isopropyl alcohol to be diluted 100-fold into the final formula. Isopropyl alcohol acts as a diluent for the active and reduces dry time of the film, while BHT protects the retinoid from oxidation in the formula.



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