

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

*Continued >>>*

- A)** Combine in heated purified water (60°–70°C) and stir to completely disperse.
- B)** Add to the cooled water phase while mixing. Homogenize to form an emulsion.
- C)** Add 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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