

# Anti-Aging Cream with BergaCare SmartLipids Q10

In this formulation the innovative delivery system BergaCare SmartLipids Q10 is used in an anti-aging serum. Its significant anti-wrinkle, energising and skin protection properties make coenzyme Q10 an effective ingredient for skin care, anti-aging and antioxidant applications. Formulated as BergaCare SmartLipids Q10, coenzyme Q10 shows improved bioavailability in the upper skin layer as well as higher stability in final formulations as compared to other commonly available carrier technologies.



Phase	Product	INCI Name	% (w/w)
A	Demin. Water	Aqua	Up To 100%
	Carbopol Ultrez 20 <sup>2</sup>	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.5
	Xanthan Gum	Xanthan Gum	0.2
B	<b>BergaCare EM-AB<sup>1</sup></b>	<b>C12-15 Alkyl Benzoate</b>	5.0
	<b>BergaCare PGDE<sup>1</sup></b>	<b>Propylene Glycol Dicaprate/Dicaprylate</b>	2.0
	Glycerin 99.5%	Glycerin	5.0
	Sunflower Seed Oil	Sunflower Oil	1.0
C	NaOH (25% Solution)	Sodium Hydroxide	Adjust pH
D	Preservative / Fragrance	-	q.s.
E	<b>BergaCare SmartLipids Q10<sup>1</sup></b>	<b>Water (and) Cetyl Palmitate (and) Coenzyme Q10 (and) Polyglyceryl-3 Methylglucose Distearate (and) Caprylic/capric Triglyceride (and) Phenoxyethanol/Ethylhexylglycerin</b>	See below

Suppliers: 1: Berg + Schmidt 2: Lubrizol

### Formulation instructions:

- Weigh water and add Carbopol Ultrez 20. Allow it to swell for 5 minutes without stirring
- Heat to 60°C while stirring, add xanthan gum
- When the formulation has become a homogenous gel stop heating and add Phase B to Phase A
- Adjust the pH and cool to 30°C, add preservative and fragrance
- As the last step add BergaCare SmartLipids Q10 (e.g. 2%, 5% and 10%)

pH = 5.5

Viscosity (24H) = 28000 Cps

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**Global Ingredient Solutions**

Customerservice@ingsolutions.com  
202 Fashion Ln, #202, Tustin, CA 92780  
Phone: (714) 884-3872