

Age Protecting Sunscreen Cream with Collagen Protection, SPF 14–16

Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water	69.2 %	166 g / 5.9 oz / 1/2 cup 3 Tbsp
Xanthan Gum	0.2 %	0.5 g / 1/4 tsp
ETDA	0.2 %	0.5 g / 0.02 oz / 1/4 tsp
Phase B		
Collagen Protector	3 %	7.2 g / 0.3 oz / 1 1/2 tsp
Sorbitol or Glycerin	2 %	4.8 g / 0.2 oz / 1 tsp
Phase C		
OM-Cinnamate	5 %	12 g / 0.4 oz / 2 1/2 tsp
GelMaker EMU	2 %	4.8 g / 0.3 oz / 1 tsp
Liquid Titanium Dioxide (micronized)	2 %	4.8 g / 0.2 oz
Triglyceride	6 %	14.4 g / 0.5 oz
CreamMaker Wax	2 %	4.8 g / 0.3 oz / 1/2 Tbsp
Vitamin E Acetate	1 %	2.4 g / 0.1 oz / 1/2 tsp
Cyclo-Dimethicone	1 %	2.4 g / 0.1 oz / 1/2 tsp
Phase D		
Lacto-Ceramide	4 %	9.6 g / 0.3 oz / 2 tsp
Phenoxyethanol/SA	1.5 %	3.6 g / 80 drops
Fragrance	0.3 %	0.7 g / 0.03oz/ 16 drops

Method

Give hot distilled water and EDTA into a clean and disinfected glass beaker, sprinkle xanthan gum into it and stir with high speed. Add phase B to phase A and mix again. Prepare phase C in a separate glass beaker and stir to mix the ingredients, heat to 150oF/66oC, stir slowly. Heat phase A/B to the same temperature. Then add phase C to phase A/B and stir well until the mixture is homogenous, remove from the heat and cool to 100oF/40oC. Finally, add phase D and stir again well.

Properties

This sunscreen lotion provides UVA and UVB protection. The active ingredients such as collagen protector and lacto-ceramide protect the collagen in the skin and protects actively from sun damage and skin aging.