

Skin- Lightening Cream with Kojic Acid

(Sample Recipe for Kojic Acid)

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Phase A	Weight %	For 100 g /3.6 oz
Distilled Water (diluent)	59.6 %	59.6 g / 2 oz / 1/4 cup
Corn Starch AS (mattifying agent)	2 %	2 g / 3/4 tsp
Glycerin (humectant)	3 %	3 g / 1/2 tsp
Phase B		
Octocrylene (UVB sunscreen)	5 %	5 g / 0.2oz / 1 tsp
OM- Cinnamate (UVB sunscreen)	7.5 %	7.5 g / 0.3 oz / 1/2 Tbsp
Emulsifier Blend (emulsifier)	4 %	4 g / 0.1 oz / 1/2 Tbsp
Avobenzone (UVA sunscreen)	2 %	2 g / 1/2 tsp
Vitamin E Acetate (antioxidant)	0.5 %	0.5g / 11 drops
Cetyl Alcohol (thickener, emollient)	2 %	2 g / 3/4 tsp
Phase C		
Distilled Water (diluent)	10 %	10 g / 0.4 oz / 2 tsp
Kojic Acid (skin lightener)	2 %	2 g / 1/2 tsp
Vitamin C Magnesium Ascorbyl Phosphate (skin lightener)	1 %	1 g / 1/2 tsp
Phenoxyethanol/SA (preservative)	1.2 %	1.2 g / 27 drops
Fragrance	0.2 %	0.2 g / 5 drops

Method

Add phase A into a disinfected, heat- resistant glass beaker and mix the corn starch thoroughly avoiding the formation of lumps. Heat phase A to (167oF/75oC). Heat phase B in a separate beaker to the same temperature until the ingredients are melted, stir frequently. Add phase B to phase A and stir until it is a homogenous cream, remove from the heat. Cool to 40C/100F, stirring frequently. Dissolve kojic acid in the distilled water (phase C) and add to phase A/B, stir well. Add the other ingredients of phase C to phase A/B and stir. The cream can be filled into treatment pumps or jars.

Properties

Skin whitening cream with kojic acid that inhibits skin cells to produce melanin pigments. Needs up to 6 weeks of daily application to show results in lighten age spots and dark skin areas. Contains sunscreen to protect your skin, SPF value between 15- 20 (has not exactly been determined). Kojic acid is not a very stable ingredient and products should therefore be used up fairly quickly.