

Cream-Gel Sunscreen with Watermelon Extract - 1131

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
Phase A					
Distilled Water (aqua)		63.10	63.10	2.23	12.62
Glycerin (glycerin)		4.00	4.00	0.14	0.80
EDTA (tetrasodium ethylenediaminetetraacetic acid tetrasodium salt)		0.20	0.20	0.01	0.04
Phase B					
Octocrylene (octocrylene)		8.00	8.00	0.28	1.60
Triglyceride (caprylic / capric triglyceride)		6.00	6.00	0.21	1.20
OM-Cinnamate (octyl methoxycinnamate)		5.00	5.00	0.18	1.00
Avobenzone (butyl methoxydibenzoyl methane)		3.00	3.00	0.11	0.60
CreamMaker WAX (cetearyl alcohol, polysorbate 60)		2.00	2.00	0.07	0.40
Vitamin E Acetate (dl-alpha tocopheryl acetate)		1.00	1.00	0.04	0.20
Phase C					
GelMaker EMU (sodium acrylate / sodium acryloyldimethyl taurate copolymer, isohexadecane, polysorbate 80)		2.00	2.00	0.07	0.40
Watermelon Extract (glycerin, water, Citrullus lanatus [Watermelon] extract)		3.00	3.00	0.11	0.60
Vitamin A (retinyl palmitate)		0.50	0.50	0.02	0.10
Allantoin (allantoin)		0.50	0.50	0.02	0.10
Phenoxyethanol SA (phenoxyethanol, sorbic acid, caprylyl glycol)		1.50	1.50	0.05	0.30
Fragrance Coconut Lime Verbena		0.20	0.20	0.01	0.04

Method

Give phase A into a clean and disinfected glass beaker and heat to 160F/71C. Add phase B to another disinfected glass beaker and heat to the same temperature, stir until the ingredients are melted. Add phase B to phase A and stir continuously until the cream is formed, remove from the heat. Add GelMaker EMU from phase C to phase A/B it will adjust the viscosity, stir very well while you add it, it has to be mixed well. After the temperature is below 100F/40C add the remaining ingredients of phase C and stir again well.

Properties

Sun protection due to octocrylene, OM-cinnamate (UVB) and avobenzone (UVA). Watermelon extract has good antioxidant effects. Vitamin A has skin regenerating and allantoin anti-irritant properties