

Infra-Red (IR)-Protection Crème

(Sample Recipe for Knotgrass Flavonoids)

IR-Protection Crème

Phase A	Weight %	For 100 g / 3.6 oz (by weight)
Distilled Water (diluent)	76.8 %	76.8 g / 2.8 oz
Sodium PCA (humectant)	2 %	2 g / 0.07 oz
ICE Alginate (natural thickener)	2 %	2 g / 0.07 oz
Phase B		
CreamMaker Blend (emulsifier)	5 %	5 g / 0.2 oz
Jojoba Oil (emollient)	4 %	4 g / 0.15 oz
Squalane (emollient)	4 %	4 g / 0.15 oz
Vitamin E Tocopherol (anti-oxidant)	0.5 %	0.5 g / 0.02 oz
Phase C		
Knotgrass Flavonoids (active)	2 %	2 g / 0.07 oz
Edelweiss Extract (anti-oxidant)	2 %	2 g / 0.07 oz
Honeysuckle Blend (anti-microbial agent)	1.5 %	1.5 g / 32 drops
Fragrance Mangosteen (optional)	0.2 %	0.2 g / 5 drops

Method

Add phase A to a disinfected mixing vessel. Mix the ICE Alginate very thoroughly (stick blender). Then Heat to 160F/70C. Add phase B to another disinfected mixing vessel and heat to 160F/70C. When phase B has melted combine with the hot phase A. Mix thoroughly using a sheer mixer, or stick blender until uniform and free of lumps. After temperature has reached 100F/40C add phase C one ingredient at the time, stirring well after each ingredient. The viscosity can be adjusted by adding more ICE Alginate (but needs very good mixing).

Properties

Knotgrass Flavonoids is a botanical active ingredient designed to fight Infra'Ageing™ (infrared-induced skin aging) a breakthrough concept in skin photoprotection and photo-aging. It protects fibers of papillary and reticular dermis, enhances skin firmness and elasticity, and reduces the appearance of wrinkles. In addition we have added edelweiss extract as an additional anti-oxidant and squalane as a moisturizer because of its skin identical structure.