

## Sunscreen Lotion (o/w) with Aloe Vera SPF 12- 19

(Sample Recipe for Vitamin C L- Ascorbic Acid)

Sunscreen Lotion (o/w) with Aloe Vera, SPF 12- 19		
Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water	62.5 %	150 g / 5.4 oz
Xanthan Gum	0.5 %	1.2 g / 0.04oz (1/2 tsp)
ETDA	0.2 %	0.5 g / 0.02 oz (1/4 tsp)
Phase B		
Aloe Vera	6 %	14.4 g / 0.5 oz
Sorbitol or Glycerin	2 %	4.8 g / 0.2 oz
Phase C		
Jojoba Oil	9 %	21.6 g / 0.8 oz
Titanium Dioxide (micronized)	6 %	14.4 g / 0.5 oz
Triglyceride	4 %	9.6 g / 0.34 oz
Sorbitan Stearate	1.5 %	3.6 g / 0.12 oz
Polysorbate 60	3 %	7.2 g / 0.26 oz
Vitamin E Acetate	1 %	2.4 g / 0.1 oz
Cetyl Alcohol	2.5 %	6 g / 0.2 oz
Phase D		
Vitamin C Ascorbic Acid	0.5 %	1.2 g / 0.04oz (1/2 tsp)
Paraben- DU	1 %	2.4 g / 0.1 oz
Fragrance	0.3 %	0.7 g / 0.03oz (16 drops)
<b>Method</b>		
<p>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 stir. Prepare phase C in a separate, heat resistant glass beaker and heat to 150oF/66oC. Stir well until the mixture is homogenous. Heat up also phase A/B to (maximum 150oF/66oC). Remove the two phases from the heat and add phase C to phase A/B. Mix thoroughly and cool it down to 100oF/40oC. Finally, add phase D and stir again.</p>		
<b>Properties</b>		
<p>This sunscreen lotion provides UVA and UVB protection, the amount of micronized titanium dioxide can be increased to get an even higher UV protection. Please check our sunscreen chart.</p>		