

Kakadu Plum Serum

(Sample Recipe for Kakadu Plum Extract)

Kakadu Plum Serum		
Phase A	Weight %	For 240 g / 8.5 oz
Distilled Water (diluent)	83.6 %	83.6g / 3.0oz
Sodium PCA (humectant)	2.0 %	2.0g / 0.07oz
Carbomer 940 (thickener)	0.4%	0.4g / 0.14oz
Phase B		
Triethanolamine (pH adjuster)		q.t. to pH 7
Phase C		
Kakadu Plum Extract (botanical)	10.0%	5.0g / 0.4oz
72h Moisture (humectant)	3.0%	3.0g / 0.1 oz
Phase D		
CitrusCombo (anti-microbial)	1.0%	1.0g / 0.04oz
Triethanolamine or Citric Acid (pH adjuster)		qt. to pH 5.5-6
Method		
Combine phase A ingredients and mix well.		
Add phase B to phase A and stir well until the solution becomes a viscous gel.		
Add phase C and stir well after each ingredient.		
Add phase D, stir well and test pH.		
Adjust pH to 5.5-6, with TEA (this will increase the pH) or citric acid (this will lower the pH). If the gel is too thick use less of the carbomer, if too thin add a higher percentage of carbomer.		
Properties		
Kakadu Plum extract contains the highest amount of vitamin c. The vitamin C is stable also in a water based serum solution. Vitamin C is a very potent antioxidant and helps to protect the skin from environmental stress and collagen breakdown.		