

Keratin Hair Shampoo with UV-Protection

(Sample Recipe for Citrus Combo)

Keratin Hair Shampoo with UV-Protection

| Phase A | Weight % | For 100 g / 3.6 oz |
|--|----------|--------------------|
| Distilled Water (diluent) | 48.3 % | 48.3g / 1.7oz |
| Glycerin (humectant) | 2.0 % | 0.2g / 0.007oz |
| ETDA (stabilizer, chelating agent) | 0.2 % | 2.0g / 0.07oz |
| Phase B | | |
| Alpha Olefin Sulfonate (surfactant) | 18 % | 18.0g / 0.6oz |
| Coco Betaine (surfactant) | 10 % | 10.0g / 0.4oz |
| Sulfosuccinate (surfactant) | 10 % | 10.0g / 0.4oz |
| Cocamidopropylamine Oxide (foam booster) | 3.0 % | 3.0g / 0.1oz |
| Cetrimonium Chloride (detangler) | 2.0 % | 2.0g / 0.07oz |
| Glucose VEG (thickener) | 2.5 % | 2.5g / 0.09oz |
| Phase C | | |
| OM-Cinnamate (uv-protector) | 1.0 % | 1.0g / 0.04oz |
| Keratin Protein (protein) | 2.0 % | 2.0g / 0.07oz |
| Fragrance (perfume) | 0.2 % | 0.2g / 5 drops |
| CitrusCombo (anti-microbial agent) | 1.0 % | 1.0g / 0.04oz |
| Citric Acid to pH 4.5-5.5 | q.s | 1.0g / 0.04oz |

Method

Add phase A into a disinfected glass beaker and stir well.

Add phase B ingredients one by one and stir after each ingredient.

Add phase C ingredients and stir again after each addition.

Check the consistency and adjust with Glucose VEG if necessary.

Test pH, and if necessary adjust to 4.5-5.5.

Properties

Dense foaming & nicely lathering shampoo. Very gentle due to combination of very mild surfactants.