

## Strong Hold Styling Gel

(Sample Recipe for HairFix Powder)

| Phase A  | Weight % | For 100 g / 3.5 oz | Size Drops | Size Tsp |
|--|----------|--------------------|------------|----------|
| Deionized Water (Diluent)  | 58.8     | 58.8 g / 2.0741 oz |            |          |
| Carbomer (Thickener)   | 0.7      | 0.7 g / 0.0176 oz  |            |          |
| Propanediol 1,3 (Humectant)  | 1.0      | 1.0 g / 0.0353 oz  |            |          |
| <b>Phase B</b>   |          |                    |            |          |
| Deionized Water (Diluent)  | 30.0     | 34.0 g / 1.1993 oz | 0          | 0        |
| HairFix Powder (VP/VA Copolymer (Styling Agent)                                  | 4.0      | 5.0 g / 0.1764 oz  | 0          | 0        |
| PVP (Styling Agent)  | 2.0      | 2.0 g / 0.0705 oz  | 0          | 0        |
| Triethanolamine (Neutralizer)  | 0.9      | 0.9 g / 0.0317 oz  | 0          | 0        |
| Blue #1 (Colorant (optional))  | 0.05     | 0.05 g / 0.0 oz    | 0          | 0        |
| <b>Phase C</b>   |          |                    |            |          |
| PEG-8 Dimethicone (Emollient)  | 0.5      | 0.5 g / 0.0176 oz  | 0          | 0        |
| Caprylyl Glycol EHG (Caprylyl Glycol, Ethylhexyl Glycerin) (AntiMicrobial Agent) | 1.0      | 1.0 g / 0.0353 oz  | 0          | 0        |
| CitrusCombo (AntiMicrobial Agent)  | 1.0      | 1.0 g / null oz    | 0          | 0        |
| Benzophenone-4 (Color Protector (optional))                                      | 0.05     | 0.05 g / 0.0018 oz | 0          | 0        |

### Method

Blend phase A well, using a immersion stick blender or homogenizer, until Carbomer is dissolved.

In a separate vessel mix water and blue1 until blue is dissolved. Then add other ingredients from phase B with continued mixing. (using an immersion stick blender or homogenizer).

Add phase B to phase A with continued mixing until uniform.

Add phase C to phase A/B and blend well.

If a thicker consistency is required adding a higher amount of Carbomer will increase viscosity. TEA may need to be increase as well (ideal thickening pH 6-7.5.)

### Properties

Hair Gel with a strong hold, delivers stiffness with a durable hold.

Apply to hair and create style.