

## Strong Hold Styling Gel No. 2

(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.