

# Formulation Guide

NO.TP010

**Formulation**      Shampoo

**Application**     Hair Care

## Typical Formulation Ingredients

Phase	Ingredient	Quantity (%)
<b>A</b>	TP APG0814	7.0
	TP SCY 35	15.0
	CAB	3.0
	Deionized Water	30.0
	EDTA-2Na	0.1
<b>B</b>	Propylene Glycol	2.0
	PEG-7 Glyceryl Cocoate	0.5
<b>C</b>	TP 7137	1.0
	TP 949	1.5
<b>D</b>	TP 980 Carbomer	0.5
<b>E</b>	Citric Acid	0.3
	Fragrance	Q.S.
	Preservative	Q.S.
	Deionized Water	To 100

### Process:

1. Heat Deionized water to 50°C, add TP SCY 35 and EDTA-2Na, stir it until dissolved, add TP APG0814. Stir it until uniform.
2. Add Phase B slowly into Phase A and stir it until uniform.
3. Add Phase C slowly and stir it until uniform.
4. Add Phase D and stir it until uniform and thick.
5. Wait until it is cooled down to 30~40 °C, add Citric Acid to confirm the pH value is between 5.5 and 7.5, then add the other Phase E and stir it until uniform

### INCI Name

TP APG0814:      **Coco Glucoside**  
 TP SCY 35:        **Sodium Cocoyl Glycinate**  
 TP 7137:          **Amodimethicone (and) Dimethicone (and) Laureth-4 (and) Laureth-23**  
 TP 949:            **Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12**  
 TP 980 Carbomer: **Carbomer**