

### Self-Tanning Lotion for Pump-Spray Bottles - 1113

Ingredient	Function	Percent	Wgt (g)	Wgt (oz)	Vol (tsp.)
<b>Phase A</b>					
Distilled Water (aqua)		83.00	199.20	7.03	39.84
Dihydroxyacetone (1,3-dihydroxy-2-propanone)		3.00	7.20	0.25	1.44
Erythulose (d-erythulose)		3.50	8.40	0.30	1.68
EDTA (tetrasodium ethylenediaminetetraacetic acid tetrasodium salt)		0.20	0.48	0.02	0.10
<b>Phase B</b>					
Xanthan Gum, Prehydrated (xanthan gum)		0.50	1.20	0.04	0.24
<b>Phase C</b>					
Sorbitol (sorbital)		6.00	14.40	0.51	2.88
PEG-7 Glyceryl Cocoate (PEG-7 glyceryl monococoate)		3.00	7.20	0.25	1.44
Potassium Sorbate (potassium sorbate)		0.20	0.48	0.02	0.10
Paraben-DU (propylparaben, methylparaben, diazolidinyl urea, propylene glycol)		0.50	1.20	0.04	0.24
Fragrance White Tea		0.30	0.72	0.03	0.14

#### Method

Give phase A into a clean, disinfected heat resistant glass jar and stir in the dihydroxyacetone and erythulose until dissolved. Sprinkle then phase B into phase A and mix thoroughly with a blender or mixer to dissolve the xanthan gum. Add phase C to phase A/B one by one and stir well. The pH of this self-tanner should be 4-5 (use pH indicator strips). the pH can be adjusted with citric acid.

#### Properties

After application on the skin, the tanning effect of dihydroxyacetone will appear after 2-3 hours, whereas the effect of erythulose only after 1-2 days. This self-tanning lotion has no UV protection.