

Principal/Trade Name, INCI

Weight %

Phase A

Purified Water 89.150%



Palmera® G997U 2.00%
Glycerin



KELTROL® CG-SFT Xanthan Gum 0.30%
Xanthan Gum



Glucono Delta Lactone 1.00%
Glucono Delta Lactone

1.00%



GLYCINE
Glycine



AJIDEW® NL-50 1.00%
Sodium PCA, Water



Actiphyte® of Mango GL 1.00%
Glycerin, Water, Mangifera Indica (Mango)
Fruit Extract



Actiphyte® of Japanese Green Tea GL 1.00%
Glycerin, Water, Camellia Oleifera Leaf Extract

Phase B

Mango T-4394 0.60%
Fragrance

Kolliphor RH 40 1.00%
PEG-40 Hydrogenated Castor Oil

Phase C



D&C Red # 33 (0.1% solution) 0.17%
Red 33



FD&C Yellow # 6 (0.1% solution) 0.28%
Yellow 6

Euxyl PE 9010 1.00%
Phexoxyethanol, Ethylhexylglycerin

Product Properties:

Appearance: Clear orange liquid

pH: 4.2-4.5

Viscosity: NA

Stability: passed 50C (1 week), FT (5 cycles)

Procedure:

Phase A: Load the main tank with water and start mixing at high speed .

In a secondary vessel premix Glycerin and KELTROL® CG-SFT Xanthan Gum until the premix is uniform and easy flowing . Add slowly the premix into the main tank and mix well until the batch is homogeneous. Reduce the mixing speed to avoid aeration.

Add the remaining of ingredients of phase A in the indicated order, mixing well after each addition.

Phase B: Premix Kolliphor RH 40 and fragrance, heating to 40C, mixing constantly. Once the premix is clear, add it to the main batch and mix well. The batch should be clear.

Phase C: Add the colors to the main batch and mix.

Add Euxyl PE 9010 and mix until the batch is clear.

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Glucono Delta Lactone is a Polyhydroxy acid (PHA) derived from gluconic acid that can be used as a natural exfoliant therefore having the ability to reduce the look of wrinkles. It is believed to be much more gentle to the skin than AHA's which are commonly used for this application. It also exhibits antimicrobial, chelating and moisturizing properties.



KELTROL® CG-SFT Xanthan Gum is a xanthan gum product with smooth-flow rheology that gives transparent solutions. It is a low-dusting, free-flowing powder for transparent solutions that is stable over wide pH range. It is designed specifically for use in cosmetics and other personal care products such as shower gels, liquid soaps, sunscreens, lotions and creams, eye make-up, hair care products, as well as shaving creams and foams.



Actiphyte® of Mango contains carotenoids, vitamins, hydroxyacids and carbohydrates, therefore Mango Extract is suited for formulations to protect the skin and hair integrity against oxidative processes, anti-aging products, moisturizers and products with exfoliating activity.



Actiphyte® of Japanese Green Tea-Green tea contains a cocktail of potent antioxidants which help fight damage caused by free radicals. Green tea also has a powerful anti-inflammatory effect helping to soothe damaged skin.



AJIDEW® NL 50 is a natural humectant derived from L-Glutamic acid. Known to be abundant in human skin as a component of NMF (Natural Moisturizing Factor), this humectant helps keep skin and hair fresh-looking.



GLYCINE accounts for about one third of the amino acids which make up human skin collagen. It provides effective anti-aging properties. Glycine is also well suited to hair care products since it works to make hair smoother when "finger-combed" as well as in general enhancement of hair aesthetics.