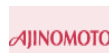


Principal/Trade Name, INCI
Weight %
PART A
Purified Water 64.160%

Palmera® G997U 4.00%
Glycerin

KELCOGEL® CG-LA Gellan Gum 0.04%
Gellan Gum

KELTROL® CG-SFT Xanthan Gum 0.80%
Xanthan Gum
PART B

AMINOSOAP® AR-12 5.00%
Arginine Cococate, Water

AROMAPHYTE® LEMONGRASS LIPO S 1.50%
*Carthamus Tinctorius (Safflower) Seed Oil,
 Cymbopogon Schoenanthus Leaf Extract,
 Cymbopogon Schoenanthus Oil*

High Oleic Sunflower Oil 5.00%
Helianthus Annuus (Sunflower) Seed Oil
PART C

AMILITE® GCS-12K 12.00%
Sodium Cocoyl Glycinate, Water

Chembetaine™ CAS Surfactant 5.00%
Cocamidopropyl Hydroxysultaine
Citric Acid powder 0.50%
Citric Acid

AJIDEW® NL-50 1.00%
Sodium PCA, Water
Euxyl PE-9010 1.00%
Phenoxyethanol, Ethylhexylglycerin
Product Properties:
Appearance: Creamy viscous liquid

pH: 5.50-6.50

Viscosity: 10000-40000 cps (RVT 5@20)

Stability: passed 50C (1 week), FT (5 cycles)
Note: (discoloration occurs due to the potency of Aromaphyte)

Procedure:

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

In a secondary vessel add Palmera® G997U and KELCOGEL® CG-LA Gellan Gum and mix until the premix is uniform, then add the KELTROL® CG-SFT Xanthan Gum and mix well for a homogeneous system. Add the premix into the main batch and mix well. The batch will become thick and uniform. Reduce the mixing speed to avoid aeration. Heat to 80-85 C , then cool to RT , mixing gently. Add the rest of the ingredients when to temperature is bellow 45 C.

Phase B-Add all the ingredients in a secondary vessel and stir constantly until it becomes creamy and smooth .

Add Phase B into Phase A and mix to obtain a homogeneous batch.

Phase C-Add slowly to the main batch AMILITE® GCS-12K and Chembetaine™ CAS Surfactant and mix well. Add citric acid and mix well. The batch will slowly thicken and develop soft, white “particles” . Homogenize at 4500 rpm until the batch is creamy and homogeneous . Add the remaining materials mixing well after each addition.

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KELCOGEL® CG-LA Gellan Gum is a unique gelling agent for use in personal care applications. It can be used to form gels, modify textures, stabilize formulations (including emulsions and suspensions) and create films. This product is specifically designed for shampoo and haircare products, skin lotions and creams, as well as sunscreen and sun care products. It also is used as an emulsion stabilizer, suspension stabilizer, non-dissolving cosmetic films, and toothpaste.



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.

AJINOMOTO

AMINOSOAP® AR-12 is an amino acid soap consisting of L-Arginine derived via fermentation process and coconut fatty acids. It foams quickly, even in the presence of oil and is easily rinsed off leaving the skin feeling clean and refreshed but without the dryness associated with normal soaps.

AJINOMOTO

AMILITE® GCS-12K is a cleansing agent based on glycine, the main constituent amino acid of human collagen, and coconut fatty acids. It produces creamy and resilient foam under neutral and alkaline conditions. It leaves fresh feeling on the skin after washing without taut feeling.

Lubrizol

Chembetaine™ CAS Surfactant is an excellent detergent that exhibits pronounced mildness in combination with anionic surfactants and soaps. Its good foaming and viscosity building improve most surfactant systems. It helps to reduce the irritation potential of other surfactants. This product is particularly suited to baby shampoos, baby bath products and facial cleansers.

AJINOMOTO

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.

active organics

AROMAPHYTE® are Fragrance Ingredients with an unique range of whole plant botanical extracts containing both oil and water-soluble fractions of the plant in order to impart a natural aroma, giving the benefits of the extracts, with the aroma of the essential oils. By using essential oils to impart scent, your products can be labeled “fragrance free”.