

Principal/Trade Name, INCI

Weight %

Phase A

Purified Water 92.22%

Versene Na2 Crystals 0.05%
Disodium EDTA


Phase B


 **Palmera® G997U** 2.00%
Glycerin

 **GENU® pHresh DF Pectin** 1.00%
Pectin

 **KELTROL® CG-SFT Xanthan Gum** 0.20%
Xanthan Gum

Phase C

 **AMISOFT® ECS-22W** 2.50%
Disodium Cocoyl Glutamate, Water

 **PRODEW® P-DS-12** 0.50%
Sodium Caproyl Prolinate, Water

 **AJIDEW® NL-50** 0.50%
Sodium PCA, Water

Citric Acid powder 0.03%
Citric Acid

Phenoxyethanol 0.60%
Phenoxyethanol

Sodium Benzoate 0.20%
Sodium Benzoate

Potassium Sorbate 0.20%
Potassium Sorbate

Product Properties:

Appearance: Slightly hazy thin liquid

pH: 5.00-5.75

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 . Add Versene NA2 Crystals and mix to dissolve.

Phase B: In a secondary vessel add Glycerin, GENU® pHresh DF Pectin and KELTROL® CG-SFT Xanthan Gum and mix well until the premix is uniform. Add the premix into the main batch and mix until the batch will be homogeneous (free of lumps). Reduce the mixing speed to avoid aeration and heat to 80-85C. Start cooling to RT while mixing .

Phase C: At 50 C, start adding the Phase C ingredients in the indicated order, mixing well after each addition.

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GENU® pHresh DF Pectin is a blend of high ester and low ester pectin extracted from citrus peel. This product has a buffer capacity in aqueous systems and functions as a no sugar or other inert dilution agent used for standardization. It is typically used in skin care formulations such as lotion, creams, deodorants, and shaving lotions.



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

AMISOFT® ECS 22W is an anionic surfactant produced from L-Glutamic acid (an amino acid) and plant-derived palm kernel fatty acid. It is natural, mild, eco-friendly, and easy to use in formulations. This product is recommended for use in body wash, hand wash, hair shampoo, facial wash, make-up cleansing, and bar soap.

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.

AJINOMOTO

PRODEW® P-DS-12 is an amino acid based humectant derived from L-Proline and fatty acid. It has a good moisturizing effect and can work as a booster for antimicrobials.