

Principal/Trade Name, INCI
Weight %
Phase A
Purified Water 62.90%

Versene NA2 Crystals 0.10%
Disodium EDTA
Phase B

Palmera® G997U 4.00%
Glycerin

CEKOL® 20000P Cellulose Gum 0.30%
Cellulose Gum

GENUVISCO® CG-131 Carrageenan 0.40%
Chondrus Crispus (Carrageenan)
Phase C

AMILITE® ET-CS-12 15.00%
Disodium Cocoyl Glutamate, Sodium Cocoyl Threoninate, Water

AMILITE® GCK-12H 15.00%
Potassium Cocoyl, Potassium Cocoate, Water
Citric Acid powder 0.35%
Citric Acid

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

pH: 6.5-7.0

Viscosity: 5000-9000 cps (RVT 4@20)

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

Procedure:

Phase A- Load the main tank with cold water and start mixing at high speed . Add Versene Na2 Crystals and mix to dissolve.

Phase B-In a secondary vessel add Glycerin, CEKOL®20000P Cellulose Gum and GENUVISCO® CG-131 Carrageenan and mix until the premix is uniform. Add the premix into the main batch and mix well for 30 minutes or until the batch becomes uniform. Reduce the mixing speed to avoid aeration. Heat to 65-70C while mixing.

Phase C-Heat individually AMILITE® ET-CS-12 and AMILITE® GCK-12 H to 65-70, then add them to the main batch in the indicated order. Allow enough time for each ingredient to blend into the batch before adding the next . Start cooling to RT. Add Citric acid and mix well (white specs might develop) . Mix well until the batch is clear, with an uniform gel appearance. At 50C, add AJIDEW® NL-50 and mix well, then add the Euxyl 9010.

Continue mixing the batch until the temperature reaches 25-28C.

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CEKOL® 20000P Cellulose Gum is a natural Cellulose Gum polymer derived from wood and cotton. It is natural and imparts viscosity and stabilization to aqueous systems. CEKOL® is known for its excellent water retaining and film forming capability.



GENUVISCO® CG-131 Carrageenan is an Iota carrageenan, typically used in gelled and semi-liquid systems. This product is intended for cosmetic and personal care applications. Meeting the NF purity specifications GENUVISCO® CG-131 Carrageenan is also suited for the Pharmaceutical Industry. Iota carrageenan forms elastic gels and thixotropic fluids in the presence of calcium ions.



AMILITE® ET-CS-12 is a mild foaming surfactant, suitable for skin and hair cleansing products. Derived from L-Threonine, the amino acid with hydroxyl group, L-Glutamic acid and coconut fatty acids, it produces rich foam in weakly acidic conditions, and leaves a moist and smooth feeling on the skin, without causing a taut skin feeling. It increases foam volume of various amphoteric and nonionic surfactants.



AMILITE® GCK-12H is a Glycine-derived liquid surfactant that is mild to the skin while exhibiting abundant foam and creamy lather, even in the presence of oils.



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.