


Principal/Trade Name, INCI **Weight %**
Phase A
Purified Water 86.15%

Versene NA2 Crystals 0.05%
Disodium ETDA
Phase B

Palmera® G997U 5.00%
Glycerin

Cekol® I50 Cellulose Gum 2.00%
Cellulose Gum

Genuvisco® CG-131 Carrageenan 1.00%
Carrageenan
Phase C
CaCl2*2H2O (5% solution) 1.00%
Calcium Chloride

Prodew® 500 1.50%
Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Phenylalanine, Water

AQUADEW® SPA 30B 1.50%
Sodium Polyaspartate, Water
Ethyl Alcohol DA-2A 1.00%
Ethyl Alcohol
Euxyl PE-9010 0.80%
Phenoxyethanol, Ethylhexylglycerin
Product Properties:

Appearance: Clear thick gel

pH: 6.0-7.0

Viscosity: 25,000-36,000 cps (Brookfield, RVT 6 @10rpm)

Stability: passed FT (5 cycles)

Procedure:

Phase A- Load the main tank with cold water and start mixing at moderate speed. Add Versene NA2 Crystals and mix to dissolve.

Phase B- Premix in a secondary vessel Palmera® G 997U, CEKOL®I50 Cellulose Gum and GENUVISCO® CG-131 Carrageenan until an easy flowing and homogeneous slurry will obtain. Add it slowly into the water vortex of the main batch. Mix at high speed for 1 hour or until the batch is free of lumps and clear . Heat to 70-75C , lowering gradually the mixing speed as the temperature increases, to avoid aeration.

Phase C-When the batch temperature reaches 70-75C, add CaCl2*H2O and continue mixing. Start cooling to RT. Adjust the mixing speed to moderate. At 45-50 C , add the rest of the ingredients in the indicated order, mixing thoroughly after each addition.

The information contained herein is being furnished for informational purposes only, upon the express condition that the User is solely responsible for determining the suitability of the products in all contemplated uses and applications notwithstanding any technical information provided by L.V. Lomas Limited ("Lomas"). While the information contained herein is believed to be reliable, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained herefrom. Lomas shall have no liability to the User or to any third party based upon or arising out of the results obtained or situations caused by the use or handling of any material, whether used singly or in combination with other materials. LOMAS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is the User's sole responsibility to determine if there are any issues relating to patent infringement of any component or combination of components relating to the suppliers information. Nothing contained herein is to be considered as permission, recommendation, nor an inducement to practice any patented invention without the permission of the patent owner.



A HUBER COMPANY

CEKOL® 150 Cellulose Gum is a highly purified cellulose gum obtained from natural cellulose. It is used in cosmetics where a tasteless, odorless, non-toxic thickener, stabilizer or dispersant is required. Imparts viscosity and stabilization to aqueous systems. CEKOL® is known for its excellent water retaining and film forming capability.



A HUBER COMPANY

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.

AJINOMOTO

PRODEW® 500 is a highly effective moisturizer formulated with NMF (Natural Moisturizing Factor) components. It has excellent moisture absorption and retention capabilities. When sodium PCA and L-proline, the components of ProdeW®, are mixed, they show a synergistic moisturizing effect.

AJINOMOTO

AQUADEW® SPA-30B is an effective moisturizer derived from aspartic acid, a naturally occurring amino acid. This product has excellent moisturizing properties, maintains natural hair feel, is extraordinarily safe, biodegradable, and has a high moisture retention. For hair care application, AQUADEW SPA-30B moisturizes hair and improves hair manageability. It is also effective to protect hair from split ends or breakage.