

Prototype
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Eat Well, Live Well.



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Hydrating Gel Moisturizer

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This creamy moisturizing gel formula hydrates and moisturizes the skin at both the surface and penetrates into the stratum corneum. **Aquadew SPA-30B**, a medium molecular weight polymer of aspartic acid, provides hydration at the skin's surface and forms a breathable hydration barrier. **Ajidew NL-50** replaces the NMF in the SC lost by cleansing and is a powerful natural moisturizer. Our active emollients **Eldew PS-203R** and **Eldew PS-306R** increase skin barrier function with their ceramide-like properties and increase moisturization with their water holding capacity. This formula has excellent rub-in with no greasy afterfeel.

	Trade Name	INCI Name	Supplier	% w/w	Role of ingredient
A	DI Water	Aqua	-	75.73	Solvent
B	Zemea Propanediol	Propanediol	DuPont	3.00	Humectant
	Glycerin	Glycerin	-	2.00	Humectant
	Cekol 20000P	Cellulose Gum	CP Kelco	0.34	Viscosity Modifier
	Genuvisco CG-131	Carrageenan	CP Kelco	0.68	Viscosity Modifier
C	10% Calcium Chloride, Dihydrate Sol.	Calcium Chloride	-	2.25	Viscosity Modifier
D	Aquadew SPA-30B	Sodium Polyaspartate, Butylene Glycol, Disodium EDTA, Water	Ajinomoto	5.00	Amino acid based polymeric humectant
	Ajidew NL-50	Sodium PCA, Water	Ajinomoto	2.00	Amino acid based humectant
E	Amisoft HS-11P (F)	Sodium Stearoyl Glutamate	Ajinomoto	0.75	Amino acid based emulsifier
F	Eldew PS-203R	Phytosteryl/Octyldodecyl Lauroyl Glutamate	Ajinomoto	3.00	Amino acid based ceramide like active
	Eldew PS-306R	Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate	Ajinomoto	1.00	Amino acid based ceramide like active
	Eldew SL-205	Isopropyl Lauroyl Sarcosinate	Ajinomoto	2.75	Amino acid based light ester
G	Botanistat PF-64	Phenoxyethanol, Caprylyl Glycol, Ethylhexylglycerin, Hexylene Glycol	Botanisil	1.00	Preservative
	pH (20% Citric acid sol)		-	0.5	pH adjustment

Procedure:

Combine phase B and mix until the Genuvisco and Cekol are well dispersed. Add premix B to phase A with rapid agitation. Mix until completely uniform then add phase C to completely hydrate the Genuvisco. Begin heating to 75C while adding phase D and E. In a separate vessel combine phase F and heat to 75C. When both water and oil phase are at 75C add the oil phase to the water phase with rapid agitation. Mix until uniform. Cool slowly with moderate agitation to 45C. Add the Botanistat and cool to room temperature. Adjust pH q.s. to 5.3-5.7 with 20% Citric acid solution.

Stability: 4 weeks - Stable at 0°C, 40°C, 45°C, R.T, & Freeze Thaw - 3 cycles

Appearance: Gel emulsion, opaque

Viscosity: 30,000-40,000 mPas (LV-DV-I+, T-D, 3 rpm)

pH: 5.3-5.7



Disclaimer: This information is presented in good faith and we believe that it is correct, but no warranty as to accuracy of results or fitness for particular use is given, not is freedom from patent infringement to be inferred. It is offered solely for information.

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