

Zemea® light moisturizer

Phase	Trade/drug name	INCI name	Supplier	Wt.%
A	Sesame oil	Sesame oil	—	3.00%
	Grapeseed oil	Grapeseed oil	—	3.00%
	Lipo HNO	Hazelnut oil	Lipo Chemicals, Inc	3.00%
	Eldew SL-205	Isopropyl lauroyl sarcosinate	Ajinomoto USA, Inc	10.00%
	Eldew PS-306	Phytosterol beheny/octyl dodecyl/lauroyl glutamate	Ajinomoto USA, Inc	1.50%
	Cetearyl alcohol	Cetearyl alcohol	—	1.00%
	Liponate MM Flakes	Myristyl myristate	Lipo Chemicals, Inc	1.00%
	Synthetic squalane	Squalane	Arista Industries	0.50%
	a-Tocopherol	Vitamin E	BASF	0.50%
B ₁	Deionized water	Water	—	68.55%
B ₂	Vanzan	Xanthan gum	RT Vanderbilt	0.25%
B ₃	Veegum HS	Magnesium aluminum silicate	RT Vanderbilt	1.50%
B ₄	Hyalo-Ollgo	Hydrolyzed hyaluronic acid	Q.P. Corp, dist. by Ajinomoto USA, Inc	0.05%
C	Ajldew NL-so	Sodium PCA	Ajinomoto USA, Inc	1.00%
	Zemea® propanediol	Propanediol	CovationBio PDO	5.00%
D	Amisoft HS-11P	Sodium stearoyl glutamate	Ajinomoto USA, Inc	1.30%
E	Kiwi seed extract PC (50%)	Actinidia chinensis (kiwi seed extract), dextrin	Oryza Corp, dist. by Ajinomoto USA, Inc	0.10%
	Amihope LL	Lauroyl lysine	Ajinomoto USA, Inc	1.00%
F	Euxyl PE9010	Phenoxyethanol, ethylhexyl glycerin	SchUlke & Mayr	0.75%
G	Citric acid	Citric acid	—	qs to pH 5.5 +/-0.2
Total				100.00%

Prototype formulation provided by: Ajinomoto USA, Inc. Fort Lee, New Jersey

Procedure

1. Combine A and heat to 78°C with mixing.
2. In batch vessel, charge B1 and heat to 78°C with good mixing.
3. Slowly dust in B2 and B3. Allow to mix at 78°C until completely hydrated and uniform.
4. Add C to batch vessel. Add D to batch vessel.
5. Add E to batch vessel, all maintaining mixing and 78°C.
6. Add A to batch vessel and allow to mix at 78°C for 20 minutes. Cool. At 50°C add F. Cool to room temperature and adjust pH.

Product features

1. Appearance: black, viscous paste pH: 6.5-7.5
2. Viscosity: approx. 50000 mPas (Brookfield DVII: spindle 7, speed 10)
3. Stability: stable for more than 3 months at 20°C, 40°C and 4°C