




L22 Day Cream with Sunscreen Actives

Products Highlighted: L22®, Floramac® 10, and Floraesters K-20W® Jojoba



L22 Day Cream builds upon the proven long-acting skin moisturization synergy observed with the combination of Floraesters K-20W Jojoba and glycerin (ref. CS 09-014¹). This cream is fortified with L22, Floratech's new and patented emollient base, developed to be the botanical equivalent of the skin lipid profile of a healthy 22-year-old. The formula includes two sunscreen actives and a sunscreen booster. The high slip and easy spreadability of the L22 Day Cream make for fast and easy application; quickly absorbing into the skin, leaving it soft and supple. 

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Floramac 10	Ethyl Macadamiate	Floratech	1.00
	Eusolex® 2292	Ethylhexyl Methoxycinnamate (and) BHT	EMD Chemicals, Inc.	2.00
	Hydresia® SF-2	Carthamus Tinctorius (Safflower) Oleosomes (and) Water	Botaneco Specialty Ingredients	12.00
B.	L22	Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol	Floratech	5.00
	Eusolex® 9020	Butyl Methoxydibenzoylmethane	EMD Chemicals, Inc.	0.50
C.	Deionized Water	Water	-----	q.s.
	Aristoflex® AVC	Ammonium Acryloyldimethyl Taurate/VP Copolymer	Clariant Corporation	1.00
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	2.00
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	1.00
D.	Deionized Water	Water	-----	30.00
	Natrosol® 250 HR CS	Hydroxyethylcellulose	Ashland	0.40
E.	AMP-Ultra® PC 2000, Neutralizing Amine (10% Solution) Preservative ²	Aminomethyl Propanol (and) Water	Angus Chemical Company	q.s.
		-----	-----	q.s.
Total				100.00

Mixing Procedure

- Mix Phase A with moderate propeller agitation at room temperature. Heat the Phase to 70-75°C.
- Mix Phase B at 70-75°C. Add Phase B to Phase A with moderate propeller agitation at 70-75°C.
- Mix the deionized water, Glycerine 99.7% USP Kosher, and Floraesters K-20W Jojoba of Phase C in a separate vessel with moderate propeller agitation at 70-75°C. Slowly add the Aristoflex AVC to make a gel.
- In a separate vessel, heat the deionized water of Phase D at 70-75°C. Add the Natrosol 250 HR CS into the deionized water with moderate propeller agitation at 70-75°C.
- Slowly add Phase D to Phase C with moderate propeller agitation at 70-75°C.
- Slowly add Phase AB to Phase CD with rapid to moderate propeller agitation at 70-75°C. Mix until uniform.
- Start cooling. Add Phase E into Phase ABCD at 40-45°C.
- Continue cooling the mixture to room temperature.

¹ Floratech Claim Sheet CS_09-014: Increased Skin Hydration with K-20W Jojoba Plus Glycerin

² Preservative: Phenonip [INCI: Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben] supplied by Clariant Corporation

Typical Properties: pH: 5 - 7
Viscosity: ~125kCP

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)