



iSerum with L22

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



Floritech's iSerum showcases L22 – a new product designed to emulate the skin lipid profile of a healthy 22-year-old and developed for the high-value facial skincare market. The serum's oil phase was carefully designed to maximize the beneficial properties of L22 while incorporating the proven long-term skin hydration technology of Floraesters K-20W Jojoba with glycerin (ref. CS09-014¹).

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals	Disodium EDTA	The Dow Chemical Co.	0.10
	Veegum® HV	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	1.50
	Keltrol® CG-SFT	Xanthan Gum	CP Kelco	0.50
	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	2.00
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floritech	1.50
B.	L22	Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol	Floritech	18.00
	Tego® Care LTP	Sorbitan Laurate (and) Polyglyceryl-4 Laurate (and) Dilauryl Citrate	Evonik Industries AG	2.00
	Lexemul® 515	Glyceryl Stearate	Inolex Chemical	0.50
C.	Preservative ²	-----	-----	q.s.
	Sodium Hyaluronate Powder (1% Solution)	Sodium Hyaluronate (and) Water	Tri-K Industries Inc.	0.40
	Adipoless	Butylene Glycol (and) Chenopodium Quinoa Seed Extract	Seppic	1.50
Total				100.00

Mixing Procedure

1. Add the Versene Na2 Crystals and the Keltrol CG-SFT into the deionized water of Phase A with moderate propeller agitation at room temperature.
2. Heat to 55-60°C and add the Veegum HV. Mix with moderate propeller agitation to completely hydrate the Keltrol CG-SFT and the Veegum HV.
3. Continue heating to 70°C, then shift to homomixing to activate the Veegum HV.
4. In a separate vessel, combine the Floraesters K-20W Jojoba and the Glycerine 99.7% USP Kosher. Add to the mixed ingredients of Phase A.
5. In the separate vessel, mix ingredients of Phase B at 70°C.
6. Add Phase B into Phase A with rapid propeller agitation to make an emulsion.
7. Start cooling and add Phase C at 35-40°C.

¹ Floritech Claim Sheet CS09-014: Increased Skin Hydration with K-20W Jojoba Plus Glycerin

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

Typical Properties: pH: 7 - 8
Viscosity: 1500 - 3000cP

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