



# iSerum with L22

Products highlighted: **Floraesters® K-20W Jojoba and L22®**

Floratech's iSerum showcases L22 – a new product designed to emulate the skin-lipid profile of a healthy 22-year-old. In addition, it includes the proven moisture package which combines Floraesters K-20W Jojoba with glycerin. L22 was developed with the high-value facial skincare market in mind. iSerum's oil phase was designed to highlight the benefits of L22 since the material was carefully designed to hold the same type and ratio of lipids found within a healthy 22-year-old's skin. This formula demonstrates that a relatively high level of the material results in a pleasing and effective formula.

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	RT Vanderbilt Company	1.50
	Keltrol® CG-SFT	Xanthan Gum	CP Kelco	0.50
	Glycerin, USP	Glycerin	The Dow Chemical Co.	2.00
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>1.50</b>
B.	<b>L22</b>	<b>Jojoba Oil/Macadamia Seed Oil Esters (and) Squalene (and) Phytosteryl Macadamiate (and) Phytosterols (and) Tocopherol</b>	<b>Floratech</b>	<b>18.00</b>
	Tego® Care LTP	Sorbitan Laurate (and) Polyglyceryl-4 Laurate (and) Dilauryl Citrate	Evonik Industries	2.00
	Lexemul® 515	Glyceryl Stearate	Inolex Chemical	0.50
C.	Preservative <sup>1</sup>	-----	-----	q.s.
	Hyaluronic Acid (1% Solution)	Sodium Hyaluronate	Lipo Chemicals Inc	0.40
	Adipoless	Butylene Glycol (and) Chenopodium Quinoa Seed Extract	Seppic	1.50
			<b>TOTAL</b>	<b>100.00</b>

## Mixing Procedure

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

<sup>1</sup> Preservative: Phenonip® [INCI name Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben], supplied by Clariant Corporation

**Typical Properties:** pH: 7.0 - 7.5  
Viscosity: 1500 - 3000cP

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