



Anti-Age Cream with Floraesters & Peptides

Products highlighted: *Floraesters® 20, Floraesters 30, Floraesters K-20W Jojoba, and Florasolvs® PEG-150 Hydrogenated Jojoba*

This cream is a substantive skin conditioner that combats wrinkles with the latest in peptide technologies. In the formula, Floraesters K-20W Jojoba works both as an emollient and as a polymer neutralizer.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt./wt.
A.	Deionized Water	Water	-----	60.40
	Carbopol® Ultrez 10 Polymer	Carbomer	Lubrizol Corporation*	0.25
	Glycerin, USP	Glycerin	The Dow Chemical Co.	3.50
	Preservative Matrixyl®	----- Glycerin (and) Butylene Glycol (and) Carbomer (and) Polysorbate 20 (and) Palmitoyl Pentapeptide-4	----- Sederma, Inc.	q.s. 3.00
B.	Volpo S-10	Steareth-10	Croda, Inc.	1.50
	Crodafos CES	Cetearyl Alcohol (and) Dicetyl Phosphate (and) Ceteth-10 Phosphate	Croda, Inc.	3.50
	Dow Corning 200® Fluid	Dimethicone	Dow Corning Corporation	2.00
	Floraesters 20 Floraesters 30 Span 60	Jojoba Esters (and) Tocopherol Jojoba Esters (and) Tocopherol Sorbitan Stearate	Floritech Floritech Croda, Inc	1.50 4.50 0.40
C.	Sodium Benzoate NF/FCC Powder	Sodium Benzoate	American Int'l Chemical	0.10
D.	Deionized Water	Water	-----	q.s.
	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floritech	4.00
E.	Deionized Water	Water	-----	5.00
	Florasolvs PEG-150 Hydrogenated Jojoba	Jojoba Oil PEG-150 Esters	Floritech	1.00
TOTAL				100.00

Mixing Procedure

- Sift the Carbopol Ultrez 10 Polymer into the deionized water with stirring at room temperature. Allow the Carbopol Ultrez 10 Polymer to hydrate, then heat the solution to 70°C with mixing.
- Disperse preservative in Glycerin, USP and heat the mixture to 70°C. Add this pre-mix to Phase A with mixing. Add Matrixyl to Phase A.
- Add all components of Phase B together and heat to 70°C with stirring. With fast propeller mixing, add Phase B to Phase A to form an emulsion.
- Add the Sodium Benzoate NF/FCC Powder of Phase C to Phase AB with stirring, then move the mixture to the homomixer and agitate until a smooth cream is formed.
- Disperse Floraesters K-20W Jojoba in the deionized water of Phase D and add to Phase ABC while using the homogenizer to blend the formula.
- Dissolve Florasolvs PEG-150 Hydrogenated Jojoba in the deionized water of Phase E at 70°C. Add Phase E to Phase ABCD while using the homomixer to blend the formula. Cool the mixture to room temperature and load into tubes or jars.

* Supplied by Essential Ingredients

Typical Properties: pH: 4.2 - 4.9
Viscosity: ≥ 121,100 cP

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 sold 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. (Cleared for Public Disclosure).

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