

Eye Serum with **Lysofix™ Liquid, Rosamox™ & FloraGLO™ Lutein** 5% Topical Liquid in Safflower Oil

Formulation: KPC/ PD13019.05

Phases	Ingredients	% w/w
A	Water	74.10
B	Glycerin	5.00
	Xanthan Gum	0.10
	Sodium Hyaluronate	0.10
C	Lysofix™ Liquid- Glycerin (and) Glycine soja (Soybean) Seed Extract	3.50
D	Heptyl Undecylenate ¹	4.00
	Caprylic/Capric Triglyceride	11.00
	Polyacrylate Crosspolymer-6 ²	0.80
E	Phenoxyethanol (and) Ethylhexylglycerin ³	1.00
F	FloraGLO™ Lutein 5% Topical Liquid in Safflower Oil - <i>Carthamus tinctorius</i> (Safflower) Seed Oil (and) <i>Tagetes erecta</i> Flower Extract	0.30
G	Rosamox™ - HCO - <i>Helianthus annuus</i> (Sunflower) Seed Oil (and) <i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	0.10
Total:		100

Bold denotes products available from Kemin.

¹LexFeel® Natural - Inolex ²SepiMAX™ ZEN - SEPPIC ³Euxyl® PE 9010 - Schulke, Inc.



Distributed by:

Global Ingredient Solutions

Customerservice@ingsolutions.com
202 Fashion Ln. #202, Tustin, CA 92780
Phone: (714) 884-3872
Fax: (774) 987-3482

Manufacturing Process:

1. Dispense Phase A in main vessel.
2. Premix Phase B and then add to Phase A while homogenizing.
3. After 20 minutes, add Phase C.
4. Heat main phase and Phase D to 82° C.
5. Add heated Phase D to the main phase and homogenize for 20 minutes.
6. Transfer to slow mixing and allow to cool.
7. At 45°C, add Phase E, F & G consequently, allowing to mix in between.

Characteristics:

Appearance: Smooth, delicate lotion
Color: Peach to pale yellow
Odor: Fragrance-free
Centrifuge: No separation at RT and 40°C for 30 minutes 4,000 RPM
Viscosity at 20°C: 3,000-4,000 cP Brookfield Viscometer, TB-12 RPM
pH: 5.5 ± 0.5

Emulsion Stability:

- Results to date:
- Stable for 3 months at 45°C, slight gain in color
 - Stable for 5 freeze-thaw cycles



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