

Milk Lotion

with **Lysofix™ Liquid and Rosamox™**

Formulation: KPC/PD13012.04

Phases	Ingredients	% w/w
A	Deionized Water	73.55
B	Glycerin	5.00
	Xanthan Gum	0.10
C	Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract	3.50
D	Cetearyl Alcohol (and) Cetearyl Glucoside ¹	1.00
	<i>Helianthus annuus</i> (Sunflower) Oil	4.00
	Caprylic/Capric Triglyceride	11.00
	Polyacrylate Crosspolymer-6 ²	0.80
E	Phenoxyethanol (and) Ethylhexylglycerin ³	1.00
F	Citric Acid (33% Aqueous Solution)	q.s to pH <5.5
G	Rosamox™ - <i>Helianthus annuus</i> (Sunflower) Seed Oil (and) <i>Rosmarinus officinalis</i> (Rosemary) Leaf Extract	0.05

Total: 100

Bold denotes products available from Kemin.

¹Montanov™ 68 - SEPPIC; ²SepiMAX™ ZEN - SEPPIC; ³Euxyl® PE 9010 - Schulke, Inc.

- ◆ Light texture
- ◆ Cooling Sensation
- ◆ Smooth Skin

Natural
with
Science

Manufacturing Process:

1. Introduce Phase B into Phase A with mixing. Allow to hydrate for 30 minutes.
2. Add Phase C to the main phase. Heat to 82 °C while mixing.
3. Heat Phase D to 82 °C while stirring.
4. Add heated Phase D to the main phase while homogenizing.
5. After 20 minutes, switch to slow sweep mixing.
6. Below 45 °C, add Phase E and let mix until uniform.
7. Add Phase F to the main phase to adjust the pH to less than 5.5
8. Add Phase G to the main phase and let mix until cool.

Stability:

- Stable for 5 freeze-thaw cycles
- Stable for over 3 months at 45 °C

Characteristics:

Appearance:	Smooth, uniform, delicate lotion
Color:	Off-white
Odor:	Fragrance-free
pH:	5.0-6.0 at 20 °C
Viscosity:	5,500-6,500 cP at 20 °C Brookfield Viscometer, TB, 12 rpm
Centrifuge:	No separation at RT and 45 °C 4,000 rpm, 30 minutes

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