

# Luxurious Lotion with Lysofix™ Liquid & Rosamox™

Formulation: KPC/PD12008.34



Distributed by:

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Phases	Ingredients	% w/w	
A	Water	59.18	
	Sodium Dehydroacetate	0.12	
A2	Xanthan Gum	0.30	
	Glycerin	4.00	
	1,3-Propanediol <sup>1</sup>	3.00	
B	<b>Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract</b>	2.90	
C	Grape Seed Oil	4.00	
	Sweet Almond Oil	4.00	
	Argan Oil	2.00	
	Cetearyl Alcohol	4.00	
	Jajoba Esters <sup>2</sup>	3.00	
	Polyglyceryl-3-Stearate <sup>3</sup>	3.20	
	Coco-Caprylate	5.00	
	Diheptyl Succinate (and) Capryloyl Glycerin/Sebacic Acid Copolymer <sup>4</sup>	4.00	
	D	Phenoxyethanol (and) Caprylyl Glycol <sup>5</sup>	1.00
	E	Citric Acid (33.33% solution)	q.s. to pH 6
<b>Rosamox™ - Helianthus annuus (Sunflower) Seed Oil (and) Rosmarinus officinalis (Rosemary) Leaf Extract</b>		0.30	
F	Water	q.s. to 100	
		<b>Total: 100</b>	

**Bold denotes products available from Kemin.**

<sup>1</sup>Zemeca® - Dupont Tate & Lyle <sup>2</sup>Floraesters® 20 - Floratech <sup>3</sup>Akoline PG7 - AAK <sup>4</sup>LexFeel® N350 - Inolex <sup>5</sup>Optiphen - Inolex

## Manufacturing Process:

1. Weigh water and add Sodium Dehydroacetate. Adjust water bath and mixing on homogenizer.
2. Disperse xanthan gum in glycerin and 1,3-Propanediol. Pour Phase A2 into the main water phase and let hydrate for 30 minutes.
3. Weigh Phases B and C.
4. Heat Phases A and C to 82°C.
5. Mix Phases B and C to Phase A to form emulsion with adequate homogenization (2500-2800 RPM) mixing speed for 30 minutes.
6. At 45°C, add Phase D and mix for 5 minutes.
7. Add Phase E and let mix.
8. Make up volume with Phase F (not below 40°C).
9. Mix for 30 minutes until cool and uniform.

## Characteristics:

**Appearance:** Smooth, uniform rich lotion  
**Application:** Spreads very easily on skin  
**Color:** Off-white  
**Odor:** Sweet, fragrance-free  
**Centrifuge:** No separation at RT and 40°C  
**Viscosity (at 20°C):** Between 14,000 cP and 18,000 cP  
 T-B 12 RPM, 150s  
**pH:** 6.0-6.5

## Emulsion Stability:

- Results to date:**
- Stable for 5 freeze-thaw cycles
  - Stable for 3 months at 40°C & 50°C

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