

Cold Process Lotion

with Lysofix™ Liquid

Formulation: KPC/PD12013.15

- ◆ Easy to make at room temperature
- ◆ Light feeling
- ◆ Absorbs quickly

Natural
with
Science

Phases	Ingredients	% w/w
A	Deionized Water	71.50
A2	Carbomer ¹	0.50
A3	Glycerin	3.00
B	Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract	3.50
C	<i>Carthamus tinctorius</i> (Safflower) Oil	12.00
	<i>Olea europaea</i> (Olive) Seed Oil	6.00
	Coco Caprylate	2.00
D	Sodium Hydroxide (33.3% Solution)	0.50
E	Phenoxyethanol (and) Ethylhexyl Glycerin ²	1.00
		Total: 100

Bold denotes products available from Kemin.

¹Carbopol®940 - Lubrizol; ²Euxyl® PE9010 - Schulke & Mayr

Manufacturing Process:

1. Weigh Phase A in main beaker.
2. Sprinkle Phase A2 in the main beaker while mixing continuously.
3. Add Phase A3 after 30 minutes.
4. Add Phase B to the main phase.
5. Add Phase C to the main phase.
6. Neutralize the main phase with Phase D to pH 5.5 ± 0.5.
7. Add Phase E and mix until uniform.

Stability:

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

Characteristics:

Appearance:	Smooth, uniform and attractive lotion
Color:	White to off-white
Odor:	Fragrance-free
pH:	5.5 ± 0.5 at 20 °C
Viscosity:	17,000-22,000 cP at 20 °C Brookfield Viscometer, Spindle RV 5, 20 rpm

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