

# Natural solutions for Moisturising Hand Creams



Manufacturers face the challenge of replacing synthetic ingredients by natural ones in their hand cream formulations as consumers are increasingly concerned about their impact on health and the environment.

To that end, Galactic offers **Galaflow™ PL Cosmetic 60** and **Galaflow™ SL Cosmetic 60**, two natural and effective humectants that help increase and maintain a good hydration level of the external layers of the skin.

**Galacid™ Cosmetic 90** is a high-quality, natural L(+) lactic acid to control the pH of the formulation.

## Advantages:

- Improved hydration
- Non-oily nor tacky feel
- Natural ingredients

## Process:

- Heat **Phase A** to 70-75° C and homogenize.
- Heat **Phase B** to 70-75° C and homogenize.
- Add **Phase B** to **Phase A** and homogenize for 2-3 minutes.
- Cool down whilst stirring to 45° C, add **Phase C** and homogenize again for 30 sec.
- Allow to cool to room temperature whilst slowly agitating.

Phase	Ingredients	INCI	w/w %	Supplier
A	WATER	Aqua	64.14	ZSI Lubrizol
	GLYCERIN	Glycerin	6.00	
	CARBOPOL ULTREZ 10	Carbomer	0.20	
B	ZETEMOL 2IS	Isostearyl Isostearate	9.00	ZSI
	ABIL 350	Dimethicone 350	1.50	Evonik
	ZETEMOL OS	Ethylhexyl Stearate	3.50	ZSI
	SHEA BUTTER	Butyrospermum Parkii Butter	4.00	
	WHITE BEESWAX	Cera Alba	0.50	
	ZETEMULS GMS	Glyceryl Stearate	0.50	ZSI
	PROTELAN ESG	Glyceryl Stearate / Cetearyl Alcohol / Sodium Stearoyl Glutamate	5.50	ZSI
C	EUXYL PE 9010	Phenoxyethanol / Ethylhexylglycerin	1.00	Schulke&Mayr
	SODIUM HYDROXYDE 50% SOL.	Sodium Hydroxyde	0.10	GALACTIC GALACTIC GALACTIC
	<b>GALACID™ COSMETIC 90</b>	<b>Lactic Acid</b>	0.07	
	<b>GALAFLOW™ PL COSMETIC 60</b>	<b>Potassium Lactate</b>	2.00	
	<b>GALAFLOW™ SL COSMETIC 60</b>	<b>Sodium Lactate</b>	2.00	

- **pH: 5.8**
- **Viscosity: 138000 cPs - BRK 64/20° C/2 rpm, Torque 58%**

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