

## Hydra-Touch Moisturizing Lotion

Add 100% bio-based Itaconix® VELASOFT™ to moisturizing lotions for light yet luxurious conditioning and hydration that delivers soft, nourished skin feel.

#	INCI Name, Trade Name	Purpose	%W/W
<b>A</b>	1 DI Water	Diluent	75.65
	2 Acrylates/C10-30 Alkyl Acrylate Crosspolymer <i>Carbopol® Ultrez 21</i>	Rheology Modifier	0.40
	3 Hydroxyacetophenone <i>Symsave® H</i>	Preservative	0.50
	4 Propanediol <i>Zemea®</i>	Humectant	5.00
	5 Phenoxyethanol	Preservative	0.50
	<b>6 Sodium Polyitaconate</b> <i>Itaconix® VELASOFT™</i>	<b>Skin Conditioner</b>	<b>3.00</b>
<b>B</b>	7 Potassium Cetyl Phosphate, Hydrogenated Palm Glyceride <i>Emulsiphos®</i>	Emulsifier	3.00
	8 Cetearyl Alcohol <i>Vegarol® 1618 TA</i>	Emulsifier	4.00
	9 Octyldodecanol <i>Kalcol® 200G</i>	Emollient	1.00
	10 Cetearyl Ethylhexanoate, Isopropyl Myristate <i>PCL Liquid</i>	Emollient	2.00
	11 Caprylic/capric triglyceride	Emollient	2.00
	12 Coco-caprylate <i>Cetiol® C5</i>	Emollient	1.00
	13 Vitamin E Acetate	Skin Benefit Agent	0.10
<b>C</b>	14 20% Sodium Hydroxide Solution	pH Adjuster	0.75
	15 Glacial Water <i>Extrapone® Glacier Water GW</i>	Skin Benefit Agent	1.00
	16 White Tea Extract <i>Actipone® White Tea GW</i>	Skin Benefit Agent	0.10

### Product Properties:

Appearance	Creamy liquid
pH	5.8 – 6.0
Viscosity	35,000 cps

### Procedure:

1. Heat water to 65°C and mix to create a vortex.
2. Add Carbopol® (2) and wait until fully dispersed.
3. Add SymSave® (3), Zemea® (4), and Phenoxyethanol (5).
4. Add Itaconix® VELASOFT™ (6) and mix until dissolved.
5. In a second container, combine ingredients 7-13 and heat to 70°C.
6. When both phases are at 70°C, combine and transfer to homogenizer.
7. Homogenize until uniformly white and opaque, then transfer to overhead mixer and add Sodium Hydroxide (14) at 60°C.
8. Once emulsion has cooled, add extracts (15, 16) with good mixing.
9. Measure pH and adjust to target with Sodium Hydroxide (14).

### Supplier References:

<b>Itaconix Corporation (6)</b>	Lubrizol (2)	Symrise (3, 7, 10, 15, 16)
Dupont Tate and Lyle(4)	VVF (8)	Kao Chemicals (9)
BASF (12)	Essential Ingredients (13)	