

Natural Lotion Base No.1

LO20001-02

PHASE	INGREDIENT NAME	INCI NAME	% W/W	FUNCTION	SUPPLIER
A	DI Water	Water	75.33	Solvent	
	Disodium EDTA	Disodium EDTA	0.10	Chelating Agent	
	Activonol BG	Butylene Glycol	3.00	Humectant	Kaneda
	Veegum Ultra	Magnesium Aluminum Silicate	0.50	Rheology Modifier	Vanderbilt
	Vanzan NF-C	Xanthan Gum	0.25	Thickener	Vanderbilt
B	Phosphatech B99	Sodium Polyacrylate, Lecithin, Tocopherol	2.00	Emulsifier	BJC Specialties
	LIPOID P 75-3	Hydrogenated Phospholipid	3.00	Emulsifier	Lipoid
	Myritol® 318	Caprylic/Capric Triglyceride	5.00	Emollient	
	Silike 91 PL	Isoamyl Laurate, Propylene Glycol Diheptanoate	1.00	Natural Silicone Alternative (Cyclopentasiloxane)	Maian
C	D-Femo	PEG/PPG-17/6 Copolymer	1.00	Moisturizing Adjuster	Sambo
	Epi-Nilus GG	Glyceryl Glucoside, Glycerin, Water	2.00	Moisturizing Adjuster	Sambo
	Velvet gel	Water, Methylpropanediol, Pullulan, Cellulose Gum, 1,2-Hexandiol	1.00	Moisturizing Adjuster	Sambo
D	DI Water	Water	5.00	Solvent	
	Purox S	Sodium Benzoate	0.53	Preservative	Emerald Kalama
	Potassium Sorbate	Potassium Sorbate	0.30	Preservative	

Procedure

1. Slowly disperse Veegum Ultra into water at 75°C while stirring with a propeller mixer (800rpm) for 10 minutes
2. Disperse Vanzan NF-C into part A until homogeneous and add the remaining components of part A
3. Mix part B at 70-75°C
4. Slowly add part B into part A at 75°C and keep stirring for 10 minutes
5. Homogenize at 70-75°C for 5 minutes
6. Cool down while slowly mixing to 50°C
7. Add part C while continuously stirring
8. Add part D and mix until homogeneous

Technical Data

Appearance: Opaque emulsion

pH: 5.61

Spindle, rpm: LV63, 12

Viscosity 0 hr @RT: N/A

Viscosity 24 hr @RT: 9190 cps (91.9%)

(Brookfield LV DV-1+)

Natural and natural origin percentage: 96.95%

