

Base Serum

Part	Ingredient (Trade name)	Ingredient (INCI name)	% w/w	Function	Supplier
A	Water	Water	add.100	Solvent	
	2NaEDTA	Disodium EDTA	0.10	Chelating Agent	
	Glycerine	Glycerine	2.00	Humectant	Rubia
B	Vanzan NF-C	Xanthan gum	1.00	Thickener	Vanderbilt Minerals
	Phosphatech B99	Sodium Polyacrylate,Lecithin,Tocopherol	1.00	Emulsifier	BJCS
	Silike 91 PL	Isoamyl laurate,propylene glycol diheptanoate	1.50	Skin-Conditioning Agent	Sambo
C	D-Femo	PEG/PPG-17/6 Copolymer	1.00	Moisturizer	Sambo
	Velvet gel	Water, Methylpropanediol, Pullulan,Cellulosegum, 1,2-Hexandiol	1.00	Moisturizer	Sambo
D	Purox S	Sodium benzoate	0.50	Preservative	Emerald Kalama
	Microcare PHC	Phenoxyethanol,Chlorphenesin,Glycerin	0.50	Preservative	

Procedure

1. Add 2NaEDTA and Glycerine to the water while stirring with a propeller mixer at 70-75°C , mixing for 5 min.
2. Dry Mix Phosphatech B99 and Vanzan NF-C slowly add to A And add Silike 91 PL in to A , agitated at maximum available shear for 15 minutes at 70°C.
3. Cool while mixing slowly to 50°C.
4. Add C while continuous stirring until homogeneous.
7. Add D and mix until uniform.

Appearance : characteristic

pH : 5.72

Spindle, rpm : 64 ,10 rpm

Viscosity 0 hr @RT : N/A

Viscosity 24 hr @RT : 1730
(Brookfield LV DV-I+)