

skin care formulations

Fresh Air - Power Cream

Formula# 100-10085



Ingredients (Trade Name)	INCI Name	% w/w	Supplier
Phase A			
Purified Water	Water/Aqua	Qs 100	Local
EDTA tetrasodium salt	Tetrasodium EDTA	0.03	Local
Lubrajel* II XD Free hydrogel	Water/Aqua (and) Glycerin (and) Glyceryl Polyacrylate	3.00	Ashland
Phase B			
Refined Shea Butter	Butyrospermum Parkii (Shea) Butter	1.00	Ashland
Belsil™ DM10*	Dimethicone	5.00	Wacker
Ceraphyl™ 368 ester	Ethylhexyl Palmitate	3.00	Ashland
Ceraphyl 28 ester	Cetyl Lactate	1.00	Ashland
Ceraphyl 791 ester	Isocetyl Stearoyl Stearate	2.00	Ashland
Ceralution™ H*	Behenyl Alcohol (and) Glyceryl Stearate (and) Glyceryl Stearate Citrate (and) Disodium Ethylene Dicocoamide PEG-15 Disulfate	5.00	Sasol
Phase C			
Unipure™ white LC981 EM*	CI 77891 (Titanium Dioxide)	1.00	Sensient
Phase D			
Purified Water	Water/Aqua	25.00	Local
Flexithix™ polymer	PVP	1.00	Ashland
Phase E			
Optiphen™ PO preservative	Phenoxyethanol	0.70	Ashland
Optiphen™ MIT preservative	Water/Aqua (and) Methylisothiazolinone	0.10	Ashland
Dub™ Diol*	Methylpropanediol	3.00	Stearinerie Dubois
Zemea™*	Propanediol	4.00	DuPont Tate & Lyle
Covacryl™ MV 60*	Sodium Polyacrylate	1.50	Sensient
Phase F			
PF Green Flowers	Fragrance/Parfum (and) Benzyl Benzoate (and) Benzyl Salicylate (and) Benzyl Alcohol (and) Linalool	0.40	APF
Si-Tec™ GF 3096 silicone	Dimethicone (and) Dimethiconol	1.00	Ashland
Phase G			
Peptide Q10™ biofunctional	Water/Aqua (and) Propanediol (and) Pentapeptide-34 Trifluoroacetate	1.00	Ashland
Dynachondrine™ ISR biofunctional	Water/Aqua (and) Glycerin (and) Hydrolyzed Soy Protein	1.00	Ashland
Total		100.00	

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Procedure:

1. Homogenize and heat Phase A at 75°C
2. Heat Phase B in a water bath at 75°C
3. Incorporate B into A slowly and mix at 75°C
4. Cool down
5. At 55°C, add C into AB and mix until uniform
6. At 40°C, add phase D (pre-homogenized until smooth) and mix until uniform
7. At 40°C, add phase E (pre-homogenized until smooth) and mix until uniform
8. At 35°C, add phase F and mix until uniform
9. At 30°C, add phase G and mix until uniform
10. Stop at 25°C

Typical Properties :

Appearance:	White bouncy cream
pH:	6.0 – 6.3
Viscosity (D0):	110 000 – 130 000 cps (Brookfield RVT/Spindle D/5 RPM/1 minute/25°C)

This formula has passed 3-month accelerated lab stabilities and a 28-day challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level