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Category: Hair Care

MD1-047: Sulfate Free Clear Shampoo

Ingredient	INCI	Supplier	W/W%
Phase A (aqueous)			
DI Water	Water	--	41.0
Pureact C	Coco Glucoside	Innospec	24
Foamtaine CAB	Cocamidopropyl Betaine	Alzo International	15
Pureact D	Decyl Glucoside	Innospec	6
Glycerin	Glycerin	Alzo International	0.5
Dermothix 75	Disteareth-75 IPDI	Alzo International	2.5
Phenoxetol	Phenoxyethanol	Clariant	0.5
Phase B (oils)			
Dermol SLLC-L	Sodium Lauroyl Lactylate	Alzo International	4
Polyderm PPI-SI-WS	Bis-PEG-15 Dimethicone/IPDI Copolymer	Alzo International	3
Dermol OPG	Ethylhexyl Pelargonate	Alzo International	1
Cupl-PIC	PPG-2 Isoceteth-20 Acetate	Alzo International	1
Vitalizing Hair Care Oil	Brassica Campestris (Rapeseed) Seed Oil (and) Linum Usitatissimum (Linseed) Seed Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Simmondsia Chinensis (Jojoba) Seed Extract (and) Emblica Officinalis Fruit Extract	ICSC / Alzo International	1
Cocconut Mango	Fragrance	Fragrance Design	0.5
Total			100.0

Manufacturing Procedure:

- 1) In the primary vessel heat and mix Phase A to 70°C mixing until uniform
- 2) In a side vessel add phase B heat and mix until uniform ~50°C
- 3) Add Phase B to Phase A and begin cooling to room temp.

Alzo Ingredient Benefits:

Dermothix 75 – a non-ionic thickener and rheology modifier. Thickens almost any surfactant system and is not sensitive to pH or electrolytes

Dermol SLLC-L -100% biodegradable & naturally derived surfactant that forms rich and long-lasting foam. Very mild and has antimicrobial properties

Polyderm PPI-SI-WS – a water-soluble silicone-urethane polymer conditioner for clear systems. It provides excellent slip in hair, makeup & skin products