

# Sulfate-Free Shampoo

## Shampoo

Formulation 01837



### Attributes

Shine  
Conditioning  
Color Protection  
Improves Smoothness  
Sulfate-Free

### Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Deionized Water	Deionized Water	51.84		
A		Polyquaternium-10	Polyquaternium-10	0.3		
B		Decyl Glucoside	Decyl Glucoside	8		
B		Sodium Lauroyl Sarcosinate	Sodium Lauroyl Sarcosinate	5		
B		Disodium Laureth Sulfosuccinate	Disodium Laureth Sulfosuccinate	10		
C		PEG-150 Pentaerythrityl Tetrastearate	PEG-150 Pentaerythrityl Tetrastearate	2.3		
D		Cocamidopropyl Betaine	Cocamidopropyl Betaine	16		
D		DOWSIL™ CE-1874 Microemulsion	PEG-7 Dimethicone (and) Laureth-7 (and) Polysorbate 20	6.06		
D		Phenoxyethanol (and) Methylisothiazolinone	Phenoxyethanol (and) Methylisothiazolinone	0.5		

# Procedure

Step	Process
1	Mix phase A ingredients together and heat to 70°C.
2	Add phase B to phase A while mixing.
3	Add phase C and mix.
4	Cool to 40°C.
5	Add phase D and mix.

## Stability

Stable for at least 3 months at room temperature.

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