

*Don't
compromise*

UCARE™ Extreme Polymer

DOW[®]



CPF 4310
**Sulfate-free
shampoo**

Sulfate-free shampoo (CPF 4310)

Phase	Trade name / supplier	INCI name	Wt. %
A	Deionized water	Water / Aqua	58.70
	UCARE™ Extreme Polymer / Dow	Polyquaternium-10	0.30
	EcoSense™ 3000 Surfactant / Dow	Decyl Glucoside	8.00
B	Mackamate ELK / Solvay	Disodium Laureth Sulfosuccinate	10.00
	Crodasinic LS30 / Croda	Aqua (and) Sodium Lauroyl Sarcosinate	5.00
C	Crothix Pastilles / The Herbarie	PEG-150 Pentaerythrityl Tetrastearate	2.00
	Mackam C-37 / Solvay	Cocamidopropyl Betaine (30% active)	16.00
D	NEOLONE PH100 Preservative / DuPont	Phenoxyethanol	1.00

Disclaimer: Contained in this package is a sample prepared as per the formulation described on this card.
Any variation in the formulation may cause performance to change.

Processing instructions:

1. Prepare phase A ingredients by slowly adding UCARE™ Extreme Polymer into water. Add phase B ingredients in order listed, mixing well between each addition. Start heating to 80°C.
2. Add phase C ingredients in order listed and mix for an additional 3 minutes.
3. Continue mixing and start cooling down to room temperature.
4. When temperature is below 40°C, add phase D ingredient.
5. Mix for an additional 5 minutes.

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Images: gettyimages-617603080, dow_60114827513, dow_58461401799

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