

## Guide Formulation

### Personal Care

# Argan Oil Shampoo with SeraShine® EM 802 (PS-14)

Introducing SeraShine® EM 802, part of our new range of emulsions containing natural oil. SeraShine® EM 802 brings together the benefits of both high viscosity dimethicone and argan oil to give optimum conditioning and smoothing performance.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	0.25	Surfac G995V/Surfachem	Humectant
Polyquaternium-10	0.25	Celquat SC230M/Azelis (Akzo Nobel)	Conditioning/Deposition Agent
Sodium Laureth Sulfate	33.68	Steol CS-230 KE/Surfachem (Stepan)	Anionic Surfactant
Acrylates Copolymer	4.00	Carbopol Aqua SF-1/Surfachem (Lubrizon)	Suspending Agent
Cocamidopropyl Betaine	8.57	Surfac B4/Surfachem	Amphoteric Surfactant
Sodium Hydroxide	0.40	Sodium Hydroxide Liquor 32%/Univar	pH Adjuster
Glycol Distearate (and) Laureth-4 (and) Cocamidopropyl Betaine	3.00	Tego Pearl N300/Surfachem (Evonik)	Pearliser
Dimethicone (and) Argania Spinosa (Argan) Kernel Oil (and) Laureth-4 (and) C12-14 sec-Pareth-9	3.85	SeraShine® EM 802/KCC Beauty	Conditioning Agent
Parfum (Fragrance)	0.70	Green Beauty/Expressions Parfumées	Fragrance
Phenoxyethanol (and) Benzoic Acid (and) Dehydroacetic Acid (and) Ethylhexylglycerin	1.00	Euxyl K701/Schülke	Preservative
Colourant	q.s.	-	Aesthetics
Sodium Chloride	qs	Sodium Chloride PDV/British Salt	Thickener

### Typical Properties

Appearance:	Pale orange, pearlised, viscous liquid
Viscosity @ 25°C:	9000 - 11000cPs (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	6.2 - 6.6

### Method

Add the water to the vessel.

Premix the glycerin and polyquaternium-10, add to the water and stir until clear.

Add the SLES. Stir until homogenous and add the acrylates copolymer. Adjust to pH 6.50 - 7.50 using sodium hydroxide.

Add the rest of the ingredients in order.

Adjust viscosity and pH to spec.



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Basildon Chemical Co. Ltd, Kimber Road, Abingdon, Oxfordshire, OX14 1RZ, UK

KCC Corporation, 1301-4, Seocho-Dong, Seocho-Gu, 137-703, Seoul, Korea

 +44 (0)1235 526677 |  [info@kcc-beauty.com](mailto:info@kcc-beauty.com) |  [www.kcc-beauty.com](http://www.kcc-beauty.com)

Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.