

## Guide Formulation

### Personal Care

# Moroccan Argan Oil Cream (FM-4)

SeraShine® EM 801 conditions and softens skin for a luxurious feel. Emulsifying Argan Oil allows for more stable formulations, gives a softer initial touch and is easier to spread than when incorporating neat oil.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
<b>Phase A</b>			
Glyceryl Stearate	5.50	Cutina GMS-SE/Cornelius (BASF)	Viscosity Modifier
Stearic Acid (and) Palmitic Acid	1.50	Cutina FS 45/Cornelius (BASF)	Emulsifier
Cetearyl Alcohol	3.00	Crodacol CS90/Croda	Viscosity Modifier
Olus Oil (and) Hydrogenated Vegetable Oil (and) Euphorbia Cerifera (Candelilla) Wax	1.00	Cegesoft VP/Cornelius (BASF)	Emollient
Caprylyl Caprylate/Caprates	8.00	Cetiol RLF/Cornelius (BASF)	Emollient
Olus Oil	6.00	Cegesoft PS 6/Cornelius (BASF)	Emollient
Caprylic/Capric Triglyceride	6.00	Crodamol GTCC/Croda	Emollient
Tocopherol	0.50	dl- $\alpha$ -Tocopherol/Adina (DSM)	Anti-oxidant
Xanthan Gum	0.20	XGF FEDCS-PC/Surfachem (Jungbunzlauer)	Viscosity Modifier
<b>Phase B</b>			
Glycerin	8.00	Surfac G995V/Surfachem	Humectant
Aqua (Water)	To 100	-	Vehicle
<b>Phase C</b>			
Phenoxyethanol (and) Ethylhexylglycerin	1.00	Euxyl PE9010/Schülke	Preservative
Argania Spinosa (Argan) Kernel Oil (and) C12-14 sec-Pareth-5 (and) C12-14 sec-Pareth-9	3.85	SeraShine® EM 801/KCC Beauty	Skin Conditioning
Parfum (Fragrance)	0.10	-	Fragrance

### Typical Properties

Appearance:	Viscous, white cream
Viscosity @ 25°C:	-150000cP (Brookfield RVT, Sp5, 10rpm)
pH @ 25°C:	6.5 - 7.5

### Method

Add the ingredients of Phase A to the vessel and heat to 80 - 85°C.

In a separate vessel, mix the ingredients of Phase B whilst heating to 80 - 85°C. When both phases are at 80 - 85°C, add B to A whilst stirring.

Once homogenous, allow to cool to 50°C. When at 50°C, homogenise until white and smooth. Return to the stirrer and allow to cool to 40°C.

Once below 40°C, add the rest of the ingredients in order, stirring well between additions.

Check pH and viscosity.



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**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.**