



## Moonshine Shampoo (CS-24)

This shimmery shampoo has been formulated to leave the hair feeling conditioned and looking glossy. Functional silicone products like **SeraShine® EM 501C** with its ultrafine particle size can target more damaged areas of the hair shaft where more intense conditioning is required. This emulsion is also MIT and paraben-free. **Vida-Care PQ-10** adds light conditioning and aids deposition.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Water	To 100	-	Vehicle
Glycerin	0.25	Surfac G995V/Surfachem	Humectant
<b>Polyquaternium-10</b>	<b>0.25</b>	<b>Vida-Care PQ-10/KCC Basildon</b>	<b>Conditioning/Deposition Agent</b>
Sodium Laureth Sulfate	33.68	Steol CS-230 KE/Surfachem	Anionic Surfactant
Acrylates Copolymer	5.00	Carbopol Aqua SF-1/Surfachem	Thickener
Cocamidopropyl Betaine	8.57	Surfac B4/Surfachem	Amphoteric Surfactant
Sodium Hydroxide (and) Aqua	0.30	Sodium Hydroxide 32%/Univar	pH Adjuster
<b>Phenyl Trimethicone (and) Silicone Quaternium-17 (and) Laureth-4 (and) Laureth-23</b>	<b>5.00</b>	<b>SeraShine® EM 501C/KCC Beauty</b>	<b>Conditioning/Glossing Agent</b>
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopherol	1.00	Euxyl K700/Schülke	Preservative
Calcium Sodium Borosilicate (and) Amorphous Silica (and) Titanium Dioxide CI77891	q.s.	GFMCT VBG Shimmer-PW-(RB)/Croda	Colourant
Fragrance (Parfum)	0.60	Fresh Locks Fragrance/AFF	Fragrance
Citric Acid	q.s.	Surface Citric Acid Mono BP/Surfachem	pH Adjuster
Sodium Chloride	q.s.	Salt PDV/British Salt	Thickener
PEG-150 Pentaerythrityl Tetrastearate (and) PGG-2 Hydroxyethyl Cocamide (and) Aqua	0.60	Versathix/Croda	Thickener

### Typical Properties

Appearance:	Shimmery, slightly hazy, viscous liquid
Viscosity @ 25°C:	5,000 - 10,000cP (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	5.5 - 6.5

**Method**

Add the water to the vessel.

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

Add the SLES and stir until homogenous.

Add remaining ingredients in order, mixing well between additions.

Check pH and viscosity and adjust as required.

! Silicone microemulsions such as **SeraShine® EM 501C** typically reduce viscosity, therefore a non-ionic thickener may be required.

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.

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