

Hair & Body Wash for Men (HBW-1)

This simple hair & body wash utilises SeraSol® SC 81 (PEG-12 Dimethicone) as a conditioning agent for skin and hair. This material is water-soluble and allows clear formulations. It also acts as a profoamer, helping to produce a dense, creamy foam.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Acrylates/Palmeth-25 Acrylate Copolymer	6.00	Synthalen W2000/3V Sigma	Suspending Agent
Sodium Laureth Sulfate	39.29	Steol CS-230 KE/Surfachem (Stepan)	Anionic Surfactant
Sodium Lauryl Sulfate	10.00	Stepanol WA-Extra-E/Surfachem (Stepan)	Anionic Surfactant
Cocamidopropyl Betaine	7.35	Surfac B4/Surfachem	Amphoteric Surfactant
Polyquaternium-7	1.00	Surfac PQ-7/Surfachem	Conditioning Agent
Methylchloroisothiazolinone (and) Methylisothiazolinone (and) Aqua	0.07	Euxyl K120/Schulke	Preservative
PEG-12 Dimethicone	1.00	SeraSol® SC 81/KCC Beauty	Conditioning Agent
Arctostaphylos uva-ursi (Bearberry) Leaf Extract	0.50	Cosflor Bearberry HG-1 (PS)/A&E Connock	Antibacterial Extract
Parfum (Fragrance)	1.00	Cool Metal O3 Fragrance/Givaudan	Fragrance
Mica (and) CI 77499	0.05	Colorona Blackstar Red/Azelis (Merck)	Shimmer
Sodium Hydroxide	0.22	Sodium Hydroxide 32% Liquor/Univar	pH Adjuster
Sodium Chloride	0.69	Sodium Chloride PVD/British Salt	Thickener

Typical Properties

Appearance: Clear, viscous liquid with red shimmer

Viscosity @ 25°C: 5000 – 7000cP (Brookfield RVT, Sp3, 10rpm)

pH @ 25°C: 5.5 – 6.0

Method

Add the water to the vessel and begin stirring.

Add the Synthalen and surfactants. Check the clarity of the product - if not clear then adjust the pH to 6.5- 7.5.

Add the rest of the ingredients in order, stirring well between each addition.

Check the pH and viscosity and adjust accordingly.



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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.

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