

Color Protective Conditioning Sulfate Free Shampoo

Ref: PS3-35

This elegant mild sulfate free shampoo contains **Biosil Basics Amino DL-30 CE** to provide color protection, excellent wet combing characteristics, anti-breakage benefits, superb conditioning and shine. The addition of **Biosil Basics SPQ CE** and **BioPlex Cetylsil S-PF** enhance the conditioning and manageability properties. **BioPlex Cetylsil S-PF** significantly reduces irritation and **Biosil Basics HMW** is an exclusive blend for hair moisturization.

INCI	Trade Name	Supplier	% W/W
Phase A			
D.I. Water			Q.S.
Polyacrylate-33	Rheomer 33	Rhodia	5.00
Phase B			
Sodium C14-16 Olefin Sulfonate	Rhodacol LSS 40 A	Rhodia	28.00
Sodium Cocoamphoacetate	Mackam HPC-32L	Rhodia	9.40
Cocamidopropyl Hydroxysultaine	Mackam CBS-50G	Rhodia	1.60
Phase C			
Citric Acid	Citric Acid (50% sol.) to pH 5.5		0.90
Phase D			
Dimethiconol Panthenol	Biosil Basics Amino DL-30 CE	Biosil	5.00
Silicone Quaternium-2 Panthenol Succinate	Biosil Basics SPQ CE	Biosil	0.50
Cetyl Triethylmonium Dimethicone PEG-8 Succinate	BioPlex Cetylsil S-PF	Biosil	1.00
Acetamide MEA, Panthenol, Hydrolyzed Wheat Protein, Hyaluronic Acid, Linoleic Acid, Linolenic Acid, Triticum Vulgare (Wheat) Germ Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Sorbitol, and Tocopherol	Biosil Basics HMW	Biosil	5.00
Sodium Chloride	Sodium Chloride	Ruger	1.50
Methylchloroisothiazolinone, Methylisothiazolinone	Kathon CG	Rohn Haas	0.05
Sodium C14-16 Olefin Sulfonate, Glycol Stearate, Cocamidopropyl Betaine	Mirasheen SSE	Rhodia	5.00
Fragrance	Aloe Herbal PSI-00778	Premier	0.50
Red # 40	0.1% Sol		0.08
Orange # 4	0.1% Sol		0.06

Procedure: Mix ingredients of Phase A together until it is uniform. Add ingredients of Phase B one by one with mixing. Adjust pH with Citric Acid to 5.5. Add ingredients of Phase D one by one with mixing.

Parameters: pH 5.26, Viscosity 12470 CPS S#5 @ 6RPM

Stability: Acceptable 8 weeks stability at 4°C, RT, 45°C, and 3 F/T cycles

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