

Volume Shampoo

Our volume shampoo is powered by a combination of our novel **Resplanta®** water-soluble vegetal oils, together with the scaffolding effect provided by **DOCQUAT-10V** and **Cetpro PQ-11**. The foam profile is supported by **Resassol® PG6 Coconut**, a natural mild surfactant based on Coconut Oil.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Deionized Water	Aqua	Solvent	44.6098	
2	Versene® Na2 Crystals	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3	Tudor Broom FD&C Yellow 5	CI 19140	Colour	0.00022	Kingfisher Colours Ltd
4	Tudor Thyme D&C Red 33	CI 42090	Colour	0.00005	Kingfisher Colours Ltd
5	DOCQUAT-10V	Polyquaternium-10	Film Forming conditioner	0.15	DOC JAPAN Via ProTec Ingredia Ltd
6	Resplanta® Peach	Grape Seed Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
7	Resplanta® Olea	Sunflower Seed Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
8	Resplanta® ALM	Soyabean Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
9	Perfume AR323842	Parfum	Fragrance	0.3	CPL Aroma
10	RESASSOL® PG6 COCONUT	Coconut oil polyglyceryl-6 esters	Mild Surfactant	2	Res Pharma via ProTec Ingredia Ltd
11	Cetpro PQ-11	Polyquaternium-11	Film Former	0.5	ProTec Ingredia Ltd
12	KEMIONIC SLES 228 UP	Sodium Laureth Sulfate	Primary Surfactant	39	Kemcare
13	SURFAC B4	Cocamidopropyl Betaine	Secondary Surfactant	10	Surfachem
14	Glydant Ltd	DMDM Hydantoin	Preservative	0.4	Lonza
15	Salt PVD	Sodium Chloride	Thickener	2	

ProTec Ingredia Ltd

Unit 10, Delta Court, Manor Way, Borehamwood, Hertfordshire, WD6 1FJ, UK

Website: www.protectingredia.com

Registered in London No. 07517784 VAT No. GB 100 2120 14

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Method of Manufacture

Into the main vessel add:

Purified Water	Start the mixer on a fast speed.	
Disodium EDTA	Mix until fully dispersed and no lumps remain.	
Tudor Broom FD&C Yellow 5	Mix until dispersed.	
Tudor Thyme D&C Red 33	Mix until dispersed.	
DOCQUAT-10	Mix until dispersed.	Commence heating the main vessel to 75C

Into a suitable sized premix vessel add:

Resplanta® Peach	
Resplanta® Olea	
Resplanta® ALM	
Perfume AR323842	
RESASSOL® PG6 COCONUT	Mix until homogenous.

When the DOCQUAT-10V is fully dissolved and the product is clear add the following to the main vessel:

Cetpro PQ-11	Mix until homogenous.	Commence cooling to 23C
KEMIONIC SLES 228 UP	Mix until dispersed.	
SURFAC B4	Mix until dispersed.	

When the product is 40C or below add the premix vessel to the main vessel, stir slowly until homogenous.

Into the main vessel add:

Glydant Ltd	Mix until homogenous.
Salt PVD	Mix until dissolved.

When the product is at 23C check the product specifications.

Product Specifications

pH	5.0 - 6.0
Viscosity	6,000 - 12,000 cps Spindle 3, speed 6.0 30 seconds
Colour	Peach
Appearance	Clear to slightly hazy liquid

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