

## Shine Conditioner

Our rich, luxurious conditioner is powered by **Resplanta®** water-soluble vegetal oils together with **DOCSilFee™ YA-30H** (natural silicone replacement), **DOCNATURA CJSO** (Camellia Japonica Seed Oil) and **Cetpro PQ-39**. Hair is left looking beautifully glossy and shiney with a non greasy glow.

Trade Name	INCI Name	Function	%W/W	Supplier
1 Purified Water	Aqua	Solvent	88.4198	
2 Versene™ NA2	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3 Tudor Thyme D&C Red 33	CI 17200	Colour	0.0002	Kingfisher Colours Ltd
4 Tudor Genation FD&C Blue No.1	CI 42090	Colour	0.00004	Kingfisher Colours Ltd
5 Resplanta® Soja	Grape Seed Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
6 Resplanta® Sun	Sunflower Seed Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
7 Resplanta® Grape	Soyabean Oil Glycereth-8 Esters and Aqua	Water Soluble Oil	0.33	Res Pharma via ProTec Ingredia Ltd
8 Natrosol™ 250 HHR	Hydroxyethylcellulose	Thickener	0.8	Ashland
9 Dehyquart® A-CA	Cetrimonium Chloride	Cationic Conditioner	0.5	BASF
10 Genamin® BTLF	Behentrimonium Chloride	Cationic Conditioner	1	Clariant
11 Codamol SS	Cetyl Esters	Conditioning	1	Croda
12 Cutina® GMS V	Glyceryl Stearate	Consistency factor	0.5	BASF
13 Lanette O	Cetearyl Alcohol	Co-Emulsifier	4	BASF
14 DOCNATURA CJSO	Camellia Japonica Seed Oil	Conditioning Oil	1	DOC JAPAN Via ProTec Ingredia Ltd
15 DOCSilFee™ YA-30H	TBC	Natural Silicone Replacement	0.5	DOC JAPAN Via ProTec Ingredia Ltd
16 Cetpro PQ-22	Polyquaternium-22	Conditioner	0.6	ProTec Ingredia Ltd
17 Perfume AR 309020 CPL	Parfum	Fragrance	0.2	CPL Aromas
18 Glydant™ LTD	DMDM Hydantoin	Preservative	0.4	Lonza
19 Potassium Hydroxide	Potassium Hydroxide	pH adjustment	0.04	

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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 moderate fast speed.
Versene™ NA2	Mix until dissolved.
<b>Tudor Thyme D&amp;C Red 33</b>	Turn the mixer speed down to a moderate slow speed.
<b>Tudor Genation FD&amp;C Blue No.1</b>	Mix until dispersed.
<b>Resplanta® Soja</b>	Commence heating the main vessel to 75-80C.
<b>Resplanta® Sun</b>	
<b>Resplanta® Grape</b>	
Natrosol™ 250 HHR	Commence heating the premix vessel to 75-80C.

### Into the premix vessel add:

Genamin® BTLF  
 Codamol SS  
 Cutina® GMS V  
 Lanette O

### DOCNATURA CJ50

### When the main vessel is at 75C-80C into the main vessel add:

Dehyquart® A-CA

### When both vessels are at 75C-80C add the premix vessel into the main vessel:

Mix for 5 minutes at moderate fast speed.

After 5 minutes reduce the mixer speed to a slow speed.

Commence cooling to 23C.

### When the product is at 65C into the main vessel add:

DOCSilFee™ YA-30H	Mix until dispersed.	
<b>Cetpro PQ-22</b>	Mix until dispersed.	<b>Continue cooling to 23C</b>

### When the bulk is 40C or below, into the main vessel add:

Glydant™ LTD Mix until dispersed.  
 Perfume Mix until dispersed.

### Continue to cool to 23C then check the product specifications:

If the pH is too low adjust with Potassium Hydroxide.

## Product Specifications

pH	3.5 -5.0
Viscosity	10000-20,00CPS (LVT Spindle 4, Speed 10, 30 seconds)
Colour	Mauve
Appearance	Mobile viscous liquid

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