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## Anti-Oxidant Hair Conditioner Formulation J4/33A

This cost effective simple to make hair conditioner uses **JEEQUAT® ASP**, a complete hair conditioner concentrate base. Additional conditioning is provided by **JEESILC® 93** and **JEEQUAT® CT-29**. **JEECHEM® MST** adds slip ensuring smooth application through the hair and also adds shine to both the hair and product. The **Cranberol™** is a proprietary supercritical CO<sub>2</sub> extracted cranberry seed oil. It has the highest levels of alpha, gamma and delta tocopherols and tocotrienols and provides excellent anti-oxidant protection for hair stressed by environmental exposure.

Ingredients	INCI Nomenclature	Supplier	%
DI Water			86.0
<b>JEEQUAT® ASP</b>	<b>Cetearyl Alcohol &amp; PEG-40 Hydrogenated Castor Oil &amp; Stearalkonium Chloride</b>	<b>JEEN® Int'l</b>	<b>7.0</b>
<b>JEECHEM® MST</b>	<b>Cetyl Esters</b>	<b>JEEN® Int'l</b>	<b>1.5</b>
<b>JEESILC® 93</b>	<b>Amodimethicone &amp; Trideceth-12 &amp; Cetrimonium Chloride</b>	<b>JEEN® Int'l</b>	<b>3.0</b>
<b>JEEQUAT® CT-29</b>	<b>Cetrimonium Chloride</b>	<b>JEEN® Int'l</b>	<b>0.5</b>
AC Split End Complex	Hydroxypropyltrimonium Hydrolyzed Oryza Sativa (Rice) Protein & Siloxysilicate & Oryza Sativa (Rice) Extract	Active Concepts	1.0
<b>Cranberol™</b>	<b>Cranberry Seed Oil</b>	<b>JEEN® Int'l</b>	<b>0.3</b>
<b>JEECIDE® G-II</b>	<b>Diazolidinyl Urea &amp; Methylparaben &amp; Propylparaben &amp; Propylene Glycol</b>	<b>JEEN® Int'l</b>	<b>0.5</b>
Fragrance	Fragrance		0.2
<b>Total</b>			<b>100.0</b>

### Specifications:

Appearance: Soft off-white cream

### Procedure:

1. Heat water to 70-75C.
2. Add in the JEEQUAT and mix until uniform.
3. Add in the JEECHEM® MST and mix until uniform.
4. Add in the JEESILC® 93 and mix until uniform.
5. Add in the JEEQUAT® CT-29 and mix until uniform.
6. Cool batch to 50-55C and add in the Jeecide II.
7. Cool batch to 45-50C and add in the Cranberol and fragrance.

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