Sprayable Hair Conditioner

### Formulation #TH-051-35-44

#### Method
Formulation Method: Cold process

#### Snap Shot
Sprayable Hair Conditioner and Leave in Treatment with Karmyn™ Protein

### Technology Showcase

**Product Type**
Sprayable Hair Conditioner

**Market Focus:**
All

**Function:**
Moisturization
Protection

**Skin Types:**
All

**Contact Us:**
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403.668.6685

For more information please visit [www.botaneco.com](http://www.botaneco.com)

### Key Ingredients

<table>
<thead>
<tr>
<th>Phase</th>
<th>Wt%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHASE A</strong></td>
<td></td>
</tr>
<tr>
<td>Water QS</td>
<td></td>
</tr>
<tr>
<td>Natpure Cellgum Plus (Sensient)</td>
<td>5.000</td>
</tr>
<tr>
<td>CP Kelco Keltrol Cg-SFT Xanthan Gu</td>
<td>0.100</td>
</tr>
<tr>
<td><strong>PHASE B</strong></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>10.00</td>
</tr>
<tr>
<td>Geogard Ultra</td>
<td>1.000</td>
</tr>
<tr>
<td><strong>PHASE C</strong></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>10.00</td>
</tr>
<tr>
<td>Karmyn™ Protein</td>
<td>1.500</td>
</tr>
<tr>
<td><strong>PHASE C</strong></td>
<td></td>
</tr>
<tr>
<td>Alfacos Sucragel AP</td>
<td>0.750</td>
</tr>
<tr>
<td>Argan Oil</td>
<td>0.500</td>
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</tbody>
</table>

### Procedure
1. Premix A with moderate propeller agitation to a smooth uniform gel.
2. Premix B to uniformity with moderate agitation.
3. Combine B to A mixing to uniformity.
4. Premix C to uniformity.
5. Combine phases.
6. A thixotropic uniform cream gel will result, which gains viscosity on standing, and liquefies on mixing.

### Specifications
- Viscosity: Brookfield LVT (Spindle #3 @ 6 rpm): 1200cps - 2500cps
- Stirred: Spindle #1 @ 60rpm - 800cps
- Formula passed 3 months of accelerated stability at 45°C
- pH 5.5-6.5

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