# Hair Styling Ingredients

## Hold:
- **Strong Hold**
  - Advantage™ Polymers
  - Aquaflex™ FX-64
  - AquaStyle™ 300 AF
  - Gantrez™

- **Medium Hold**
  - Advantage™ Plus
  - AquaStyle™ SH-100
  - Styleze™ W

- **Soft, Flexible Hold**
  - Aquaflex™ XL-30
  - Gaffix™ VC-713
  - Gafquat™
  - Styleze™ 2000
  - BELsIL® P 1101

## Viscosity Modifiers:
- Carbomer
- UltraThix™
- Klucel™
- FlexiThix™
- RapiThix™
- Beeswax
- Natrosol™

## Anti-Frizz:
- AquaStyle™ 300 AF
- BELsIL® GB 1020
- RapiThix™
- BELsIL® TMS 803
- BELsIL® CM 3092
- BELsIL® CM 1000
- Kester K-24

## Shine:
- BELsIL® PF 200
- BELsIL® ADMs
- Omnirez™ 2000
- BELsIL® PF 22
- Aquaflex™ FX-64
- Styleze™ CC-10
- BELsIL® PDM 20
- AquaStyle™ 300 AF
- Advantage™ Polymers
- BELsIL® PDM 1000
- Gantrez™ Polymers
- Ceraphyl™ Esters

## Emollients:
- Ceraphyl™ Esters
- Cocoa Butter
- Kester K-24
- Shea Butter
- EVOIL® Oil Blends
- BELsIL® CDM 3526
- Jolee 7750
- BELsIL® DM Fluids

## Preservatives:
- Silverion™ 2400
- Germall™
- Optiphen™
- LiquaGard™
- Conarom™
- LiquaPar™
- Germaben™
- Suttocide™ A

## Functionality:
- Avenacare™ - Strengthening
- Sumicos™ & Prestige® - Visual Enhancement
- Vincience™ BioTHAIRapy™ - Functional Ingredients
- Keramois L, Silk MW 1000, Silk Q, Tofu PL, Wheat PL, Wheat Q - Proteins for overall health
- Style Fusion™ Complex - Multifunctional blends
## Panacea Hair Treatment 04-004

<table>
<thead>
<tr>
<th>Phase A</th>
<th>% W/W</th>
<th>Supplier</th>
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<tbody>
<tr>
<td>Deionized Water</td>
<td>37.60</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Hydroxyethylcellulose (Natrosol® 250 HHR)</td>
<td>0.85</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Acrylamidopropyltrimonium Chloride/Acrylamide Copolymer (N-DurHance™ AA-2000)</td>
<td>3.00</td>
<td>Brenntag</td>
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<tr>
<td>Glycerin</td>
<td>2.00</td>
<td>Brenntag</td>
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<thead>
<tr>
<th>Phase B</th>
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<tbody>
<tr>
<td>Polyquaternium-37 (and) Propylene Glycol Dicaprylate/Dicaprate (and) PPG-1 Trideceth-6 (Conditioneze™ 37E)</td>
<td>0.75</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Cyclopentasiloxane (and) Dimethiconol (BELSIL® CM 1000)</td>
<td>1.00</td>
<td>BSI - Wacker</td>
</tr>
<tr>
<td>Ammodimethicone/Morpholinomethyl Silsesquioxane Copolymer (and) Trideceth-5 (and) Glycerin (BELSIL® ADM 8301 E)</td>
<td>3.00</td>
<td>BSI - Wacker</td>
</tr>
<tr>
<td>Hydroxypropyltrimonium Hydrolyzed Silk (Silk Q)</td>
<td>1.50</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall™ Plus)</td>
<td>0.50</td>
<td>BSI - Wacker</td>
</tr>
<tr>
<td>Trimethylsiloxysilphenyl Dimethicone (BELSIL® PDM 20)</td>
<td>0.75</td>
<td>BSI - Ashland</td>
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<tr>
<td>Hydroxypropyl Gluconamide (FiberHance™ BM)</td>
<td>1.00</td>
<td>BSI - Southern Botanica</td>
</tr>
<tr>
<td>Sclerocarya Birrea Seed Oil (Marula Oil)</td>
<td>1.00</td>
<td>BSI - Southern Botanica</td>
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<table>
<thead>
<tr>
<th>Phase C</th>
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<tbody>
<tr>
<td>Deionized Water</td>
<td>35.00</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>VP/DMAPA Acrylates Copolymer (Styleze™ CC-10)</td>
<td>12.00</td>
<td>BSI - Ashland</td>
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<table>
<thead>
<tr>
<th>Phase D</th>
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</thead>
<tbody>
<tr>
<td>Water (and) Citric Acid (Citric Acid 50% Solution)</td>
<td>0.05</td>
<td>Brenntag</td>
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</table>

### About the Ingredients:

**Styleze™ CC-10:** Provides superior, durable hold with long-lasting curl retention and heat protection. Styleze™ CC-10 forms a non-tacky film while adding conditioning and bodifying effects to the hair.

**BELSIL® PDM 20:** High refractive index Phenyl Dimethicones are most widely used as a shine enhancing additive. Additionally, they provide an anti-tack benefit to formulations.

**BELSIL® CM 1000:** Dimethiconol Gum Blend that has a high reduction of wet and dry combing force, improves feel and humidity resistance, and coasts and soothes the hair cuticle, giving it a repairing effect.

**BELSIL® ADM 8301 E:** An excellent conditioning agent in hair care applications. It provides a soft, silky touch and strongly reduces dry and wet combing forces. BELSIL® ADM 8301 E reduces color fade of colored hair and protects hair during heat treatments.

**Silk Q:** A trimethyl quaternary ammonium derivative of Silk Protein. Activated by cationization, it gives excellent adsorption, glossiness and a fine, soft touch to hair.

**N-DurHance™ AA-2000:** Substantive conditioning polymer that helps restore hair to its natural hydrophobic state and repair damage. Benefits include enhanced shine, improved wet combing, increased humidity resistance and reduction of frizz.

**FiberHance™ BM:** Unique bond mender material to provide internal strengthening. Aging, heat appliances and color/chemical treatments all contribute to weakened and damaged hair fibers. FiberHance™ BM penetrates to the cortex and creates additional hydrogen and anionic bonds within the keratin structure restoring hair fiber strength.

**Conditioneze™ 37E:** A multifunctional cationic dispersion that imparts conditioning, viscosity and stabilization. Conditioneze™ 37E provides good wet and dry combing and is suitable for cationic and non-ionic systems.

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