Deep-Conditioning Rinse-Out Hair Cream  
*Products Highlighted: Floraesters K-100® Jojoba, Floramac® 10, and Florasun® 90*

This formula provides a silky-smooth feel to the hair. Comb-through of wet hair is substantially improved and the hair is left feeling soft, smooth, and conditioned after drying.

### Mixing Procedure

1. Heat the deionized water to 75°C with stirring and slowly add the Natrosol Plus 330 CS until it is completely hydrated.
2. Mix the Floraesters® K-100 Jojoba with the Propylene Glycol, USP at 75°C.
3. Add the mixture to Phase A with stirring at a temperature of 75-80°C. Add the Florasolvs PEG-150 Hydrogenated Jojoba and the Merquat 280 to the mixture with stirring.
4. Mix all of the ingredients of Phase C together with stirring at a temperature of 75-80°C. Add Phase C very slowly to Phase AB with rapid propeller agitation to create an emulsion.
5. Cool Phase ABC to 45-50°C. Add the ingredients of Phase D with continuous stirring.
6. Quickly cool the mixture to 30°C and then load tubes or containers for use.

### Typical Properties:
- **pH:** 4 - 5
- **Viscosity:** 128,300cP

### Phase Trade/Common Name | INCI Name | Manufacturer | %wt/wt
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**A.** Deionized Water | Water | Ashland, Inc. | q.s.
NatraSol® Plus 330 CS | Cetyl Hydroxyethylcellulose | | 0.50
**B.** Propylene Glycol USP/EP | Propylene Glycol | Ashland, Inc. | 2.00
Merguiat® 280 Polymer | Polyquaternium-22 | The Lubrizol Corporation | 3.00
Florasolvs® PEG-150 | Jojoba Oil PEG-150 Esters | The HallStar Company | 0.50
Hydrogenated Jojoba | Hydrolyzed Jojoba Esters (and) Jojoba Esters (and) Water (Aqua) | Floratech | 1.00
Floraesters K-100 Jojoba | | | |
**C.** Lanette® 16 | Cetyl Alcohol | BASF Corporation | 1.00
Polawax NF | Emulsifying Wax NF | Croda, Inc. | 3.00
**Floramac 10** | *Ethyl Macadamiate* | Floratech | 1.50
**Florasun 90** | Helianthus Annuus (Sunflower) Seed Oil | Floratech | 4.00
**D.** Citric Acid (20% Solution) | Citric Acid (and) Water | Archer Daniels Midland Co. | 0.70
Fragrance | - - - - | - - - - | q.s.
Preservative | - - - - | - - - - | q.s.
Color | Color | Color | q.s.

**Total** | **100.00**

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**Note:** The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. (Cleared for Public Disclosure)