



Reference Formula

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Shampoo (7137 3%+1785 2%+ Aculyn 33 8.93%)

EP-HC-SO-0030A_V1

FORMULA

| Phase | Ingredient (Trade Name) | Ingredient (INCI Name) | % By Weight |
|-------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------|
| A | D.I Water | D.I Water | 57.01% |
| | SLES (70%) | Sodium Lauryl Ether Sulfate | 18.00% |
| | ACULYN™ 33 Polymer (Dow Chemical) | Acrylates Copolymer | 8.93% |
| | EDTA-4Na | Tetrasodium EDTA | 0.05% |
| | TEA (99%) | Triethanolamine | 2.71% |
| B | Amphosol® CDB Special (Stepan) | Cetyl Betaine | 8.00% |
| C | MEM-7137 Emulsion (Xiameter) | Dimethicone (and) Cocamidopropyl Betaine (and) C12-15 Pareth-3 (and) Guar Hydroxypropyltrimonium Chloride | 3.00% |
| D | MEM-1785 Emulsion (Xiameter) | Dimethiconol (and) TEA-Dodecylbenzenesulfonate | 2.00% |
| E | Glydant Plus Liquid | DMDM Hydantoin (and) Iodopropynyl Butylcarbamate | 0.30% |

PROCEDURE

1. Mix the ingredients in Phase A and heat to 75°C till all ingredients melt.
2. Add Phase B to Phase A under stirring.
3. Cool down to 40°C then add Phase C-E to Phase A+B under stirring.

SPECIFICATION

| | | |
|------------|----------------------------|------------------------------------|
| APPEARANCE | : Opaque Viscous Liquid | |
| VISCOSITY | : approx. 4,000 ± 1,000 CP | (RVDV-E, RV-7, 6 rpm, 3 min, 25°C) |
| pH | : approx. 6.67 ± 0.5 | (25°C) |

Recommendations contained, herein this Reference Formula, are advisory only.

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