



PERSONAL CARE  
**HAIR TREATMENT**

## HAIR CONDITIONER [KD-136]



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| PHASE | INCI NAME  | BRAND NAME          | CONCENTRATION [%] | FUNCTION           |
|-------|--|---------------------|-------------------|--------------------|
| A     | Aqua   |                     | 84,195            | solvent            |
|       | Cetrimonium Chloride                                       |                     | 3,000             | conditioning agent |
|       | Glycerin   |                     | 1,000             | solvent            |
|       | Betaine  |                     | 2,000             | active             |
| B     | Cetearyl Alcohol and Cetareth-20                           | EXOcare®TE20 FLAKES | 5,000             | emulsifier         |
|       | PPG-15 Stearyl ether                                       | ROKAnol® SPI5L      | 2,000             | emollient          |
|       | Glycine Soja Oil   |                     | 0,500             | emollient          |
| C     | Dimethicone  |                     | 1,000             | emollient          |
|       | Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben |                     | 1,000             | preservative       |
| D     | Parfum   |                     | 0,300             | fragrance          |
| E     | Sodium Hydroxide   |                     | 0,005             | pH adjuster        |



|           |                            |                |
|-----------|----------------------------|----------------|
| pH        |                            | 5.0 - 6.0      |
| Apperance | visual method              | white emulsion |
| Stability | 1 month in 5°C, 20°C, 40°C | confirmed      |

## Procedure:

1. In separate vessels combine ingredients from phase A and B. Heat up to 75-80°C. Add phase B to phase A while mixing.
2. Homogenize with 1500-2000 RPM, 90-120 sec.
3. Cool down batch to 70°C while mixing. Add C ingredients while mixing. Homogenize with 1500-2000 RPM, 90-120 sec.
4. Cool down batch to 30°C while mixing. Add the other ingredients while mixing. Homogenize with 1500-2000 RPM, 90-120 sec.



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