

DEEPLY MOISTURIZING DAY CREAM [HPCI-02]

| PHASE | INCI NAME | BRAND NAME | CONCENTRATION [%] | FUNCTION |
|--------------|--|------------------|-------------------|----------------------|
| A | Aqua | | 78.1 | solvent |
| | Glycerin | | 3.0 | humectant |
| | Trehalose, Hydrolyzed Vegetable Protein | | 1.0 | active |
| | Propanediol, Aqua, Bacillus ferment | | 1.0 | active |
| | Panthenol | | 0.5 | active |
| | Sclerotium Gum, Xanthan Gum | | 0.4 | rheology modifier |
| | B | Cetearyl alcohol | | 2.0 |
| Ceteareth-20 | | ROKAnol®T20 | 2.0 | emulsifier |
| C | C12-15 Alkyl Benzoate | EXOsoft AB25 | 6.0 | emollient |
| | PPG-15 Stearyl ether | ROKAnol® SPI5L | 4.0 | emollient |
| | Phenoxyethanol | | 0.8 | preservative |
| | Tocopherol | | 0.6 | active |
| | Sodium Polyacrylate | | 0.4 | rheology modifier |
| | Parfum | | 0.2 | fragrance |



| | | |
|-----------|---------------|----------------|
| Apperance | visual method | white emulsion |
| pH | | 5.0 – 7.0 |

Procedure:

1. In a beaker mix Sclerotium and Xanthan Gum with Glycerin.
2. In other beaker combine Aqua with Active Substance (phase A). Mix and heat up to 60 – 70°C. Add Sclerotium and Xanthan Gum with Glycerin.
3. In main vessel mix phase B and heat up to 60 – 70 °C.
4. Add phase A to phase B and homogenize with 2500 – 3500RPM, 90 – 120sec. Cool the batch down to 40°C while mixing.
5. Mix Sodium Polyacrylate with EXOsoft AB25. Add rest phase C and mix.
6. Add phase C to main beaker, mix and homogenize with 2500 – 3500RPM, 90 – 120sec.



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