









Formulation sheet

Daily dose sunscreen

ACTS20952

Description

Moisturizing sun protection for today and healthy youthful-looking skin into the future with an in-vitro SPF 30, critical wavelength 375nm.

| Phase | Ingredient | INCI name | Supplier | Function | Wt.% |
|-------|----------------------|---|-----------------|-----------------|---------|
| А | Water | Water | _ | Solvent | 35.00% |
| В | ESTERLAC™ Perform | Sodium behenoyl lactylate | Corbion | Emulsifier | 4.00% |
| | Crodacol™ C70 | Cetearyl alcohol | Corbion | Wax | 2.00% |
| С | Zemea® propanediol | Propanediol | CovationBio PDO | Humectant | 10.00% |
| | Spectrastat™ G2 | Caprylhydroxamic acid (and) glyceryl caprylate (and) glycerin | Inolex | Chelating agent | 1.00% |
| | Solaveil™ CT-12W | Caprylic/capric triglyceride (and) titanium dioxide (and) polyhydroxystearic acid (and) aluminum stearate (and) alumina | Croda | Active | 5.00% |
| | TEXTURLUX® Rheo | Hydroxypropyl starch phosphate | Primient | Polymer | 2.00% |
| | TEXTURLUX® Resist | Maltodextrin | Primient | Film former | 1.00% |
| D | Solaveil™ CT-300 | Caprylic/capric triglyceride (and) titanium dioxide (and) polyhydroxystearic acid (and) aluminum stearate (and) alumina | Croda | Active | 15.00% |
| | Solaveil™ XT-300 | Titanium dioxide (and) caprylic/capric triglyceride (and) polyhydroxystearic acid (and) stearic acid (and) alumina | Croda | Active | 5.00% |
| | LexFeel® WOW | Triheptanoin (and) c13-16 isoparaffin | Inolex | Emollient | 15.00% |
| | LexFilm® Sun Natural | Capryloyl glycerin/sebacic acid copolymer | Inolex | Film former | 5.00% |
| | Total | | | | 100.00% |

Formula provided by: ACT Solutions Corp., Newark, Delaware, USA

Procedure

- 1. Heat and maintain A to 85°C.
- 2. Add B to A with propeller mixing until melted and uniform.
- 3. Premix C. Then add to A/B with propeller mixing until uniform.
- 4. Remove heat while maintaining propeller mixing.

- 5. Premix D.
- 6. When A/B/C reaches 60°C, add D with propeller mixing until uniform and glossy.

COVATIONBIO PDO

For additional information or samples, please contact Customer Service.

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