

Formulation Example

MDA-P-128-01 Solid shampoo - Intense care - Concrete Grey with Ronacare® and RonaFlair®

| Ingredients | Art. No. | INCI EU (INCI US, if different) | [%] |
|---|-------------|--|-------|
| A | | | |
| RonaCare® AP | 1.30163 (1) | BIS-ETHYLHEXYL HYDROXYDIMETHOXY BENZYL MALONATE | 1.00 |
| RonaCare® Bisabolol nat. Jojoba Oil, refined DAC | 1.30170 (1) | BISABOLOL | 0.50 |
| | (2) | SIMMONDSIA CHINENSIS SEED OIL (SIMMONDSIA CHINENSIS (JOJOBA) SEED OIL) | 7.00 |
| Sweet Almond Oil | (2) | PRUNUS AMYGDALUS DULCIS | 6.50 |
| Cegesoft HF 62 | (3) | HYDROGENATED VEGETABLE OIL | 20.00 |
| B | | | |
| RonaFlair® Boroneige® SF-3 | 1.17774 (1) | BORON NITRIDE | 5.00 |
| RonaFlair® Satin | 1.17268 (1) | ILLITE | 5.00 |
| Ronastar® Diamond Black IQ | 1.17790 (1) | CI 77499 (IRON OXIDES), ALUMINA (OR ALTERNATIVELY: SYNTHETIC SAPPHIRE), SILICA, CI 77491 (IRON OXIDES) | 2.00 |
| C | | | |
| ELFAN® AT 84 G | (4) | SODIUM COCOYL ISETHIONATE | 30.00 |
| D | | | |
| RonaCare® Sodium Benzoate | 1.30176 (1) | SODIUM BENZOATE | 0.50 |
| RonaCare® Potassium Sorbate | 1.32144 (1) | POTASSIUM SORBATE | 0.50 |
| Glycerol, anhydrous | | GLYCERIN | 5.00 |
| Citric Acid solution 20% | | AQUA (WATER), CITRIC ACID | 1.25 |
| Water, demineralized | | AQUA (WATER) | 15.25 |
| E | | | |
| Fragrance (q.s.) | | PARFUM (FRAGRANCE) | 0.00 |
| all-rac-alpha-Tocopherol | | TOCOPHEROL | 0.50 |

Procedure:

Heat phase A to 80°C while mixing. Add premixed phase B and stir until everything is well dispersed. Mill phase C and add slowly to phase A/B, stir until homogeneous.

Solubilize the preservatives of phase D in water and glycerin. Adjust pH to 5-5,5 if necessary.

Heat phase D to 80°C and add phase D into phase A/B/C. Homogenize.

Cool down to 75°C, add phase E and mix well. At T=75°C, pour the mixture into pre-powdered molds (with the same pigment blend used in the formulation) and put the molds into a refrigerator for at least 5 hours.

Notes:

Appearance: Solid geyish shampoo bar, with good foaming properties when applied on hair/scalp

pH (10% in water) = 4,8

Stability: 3M @ RT, 5°C, 40°C

Suppliers:

(1) Susonity Commercial GmbH, Germany and/or its affiliates

(3) BASF AG

(2) Gustav Heess GmbH

(4) Azelis Germany GmbH

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