



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

| SC-2004: BODY LOTION WITH MICROPOLY 1160S (Perfecting Lotion with Creamy Aesthetics) | | | |
|---|---|-------------|--------------------------------|
| INGREDIENT | INCI NAME | % W/W | SUPPLIER |
| Phase A | | | |
| Sucragel CF | Caprylic/Capric Triglycerides, Water, Glycerin, Sucrose Laurate | 10.00 | Kinetik Technologies |
| Phase B | | | |
| Cetyl Alcohol | Cetyl Alcohol | 2.00 | Protameen Chemicals Inc. |
| Lexemul T | Glyceryl Stearate SE | 1.00 | Inolex |
| Dermol 89 | Ethylhexyl Isononanoate | 6.00 | ALZO |
| Protachem ISP | Isostearyl Palmitate | 3.00 | Protameen Chemicals Inc. |
| Dermol M-5 | Caprylic/Capric Triglycerides | 2.00 | ALZO |
| Shea Butter | Butyrospermum Parkii (Shea Butter) | 4.00 | N/A |
| Dow Fluid Corning 345 | Cyclomethicone | 2.20 | Dow Corning |
| Phase C | | | |
| Deionized Water | Water | 56.50 | N/A |
| Aristoflex AVC | Ammonium Acryoldimethyltaurate/ VP Copolymer | 0.20 | Clariant |
| Phase D | | | |
| Intelimer 8600 Emulsion | Poly C8-22 Alkyl Acrylate /Methacrylic Acid Cross Polymer /Water/ Propyl Alcohol | 2.00 | Evonik Industries |
| Phase E | | | |
| Micropoly® 1160S | Polyethylene | 3.00 | Micro Powders, Inc. |
| Glycerin | Glycerin | 2.00 | N/A |
| Hydrolite 5 | Pentylene Glycol | 2.00 | Symrise |
| Phase F | | | |
| Camellia Sinensis (Green Tea) Extract | Camellia Sinensis Leaf Extract, Glycerin | 1.00 | Bell Flavors & Fragrances Inc. |
| Malva Sylvestris (Blue Malva) Extract | Malva Sylvestris Flower Extract /Glycerin | 1.00 | Bell Flavors & Fragrances Inc. |
| Extrapone Silk GW | Water/ Glycerin, Hydrolyzed Silk / Lactic Acid | 1.00 | Symrise |
| Phase G | | | |
| Hydrolite 5 | Pentylene Glycol | 1.00 | Symrise |
| Cucumber Mint Fragrance | Fragrance | 0.10 | Bell Flavors & Fragrances Inc. |
| | Total | 100% | |

Procedure

1. In a main kettle, with mixing, heat Phase A to 70-75°C.
2. In a separate vessel, heat Phase B to 70-75°C. When both phases are at 70-75°C, add Phase B to Phase A very slowly under mixing. When Phase A-B is uniform, and the gel is formed, increase and maintain temperature of this phase at 75-80°C.
3. In separate vessel, swell the Aristoflex in the deionized water (Phase C) with high stirring and heat to 70- 75°.
4. When Phase C is completely swelled and at temperature, add Phase D and mix until uniform.
5. Pre-mix Phase E in a separate beaker.
6. Add pre-mixed Phase E to Phases C-D and mix until uniform. Maintain 70-75°C.
7. With mixing, add phases C-D-E to Phases A-B. Homogenize for 10 min.
8. Cool the batch to 35°C. Add Phases F & G, and mix until uniform. Adjust pH if necessary.

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