



## MICRO POWDERS, INC. *Personal Care Division*

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### BODY LOTION WITH MICROPOLY 1160S

<u>Product Name</u>	<u>INCI Name</u>	<u>%W/W</u>	<u>Supplier</u>
<b>Phase A</b>			
Sucragel CF	Caprylic/Capric Triglycerides, Water, Glycerin, Sucrose Laurate	10.00	Kinetik Technologies
<b>Phase B</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
<b>Phase C</b>			
Deionized Water	Water	56.50	N/A
Aristoflex AVC	Ammonium Acryoldimethyltaurate/ VP Copolymer	0.20	Clariant
<b>Phase D</b>			
Intelimer 8600 Emulsion	Poly C8-22 Alkyl Acrylate/ Methacrylic Acid Cross Polymer/ Water/ Propyl Alcohol	2.00	Air Products
<b>Phase E</b>			
<b>Micropoly 1160S</b>	Polyethylene	3.00	<b>Micro Powders, Inc.</b>
Glycerin	Glycerin	2.00	N/A
Hydrolite 5	Pentylene Glycol	2.00	Symrise
<b>Phase F</b>			
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
<b>Phase G</b>			
Hydrolite 5	Pentylene Glycol	1.00	Symrise
Cucumber Mint Fragrance Fragrance		0.10	Bell Flavors & Fragrances Inc.

**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.