Probacillus Revive
Sample Formulations

Code: 16618
INCI Name: Lactobacillus Ferment Lysate
CAS #: 9015-54-7
EINECS #: 295-635-5

Sample Finished Formulation Guidelines

Moisturizing Body Cream
FNBB01-50 – Moisturizing Body Cream

Probiotic Night Serum
FNFB01-61 – Probiotic Night Serum
Moisturizing Body Cream
Formulation Code: FNBB01-50

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Trade Name/Vendor</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phase I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Water</td>
<td>QS</td>
</tr>
<tr>
<td>Sodium Phytate</td>
<td>Dermofeel PA-3/Dr. Straetmans</td>
<td>0.20</td>
</tr>
<tr>
<td>Sorbitol Solution</td>
<td>Sorbitol Solution/Lipo Chemicals</td>
<td>2.00</td>
</tr>
<tr>
<td>Phase II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>Propylene Glycol</td>
<td>3.00</td>
</tr>
<tr>
<td>Xanthan Gum</td>
<td>Keltrol CG/C.P. Kelco</td>
<td>0.40</td>
</tr>
<tr>
<td>Phase III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>Mineral Oil 70/Rita Corp.</td>
<td>9.00</td>
</tr>
<tr>
<td>Petrolatum</td>
<td>Ultra White Petrolatum/Rita Corp.</td>
<td>2.00</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>Stearic Acid/Rita Corp.</td>
<td>2.00</td>
</tr>
<tr>
<td>Lanolin</td>
<td>Lanolin/Rita Corp.</td>
<td>2.50</td>
</tr>
<tr>
<td>Lanolin Alcohol</td>
<td>Ritawax/Rita Corp.</td>
<td>1.50</td>
</tr>
<tr>
<td>Cetyl Alcohol</td>
<td>Cetyl Alcohol/Protameen</td>
<td>1.30</td>
</tr>
<tr>
<td>PPG-3 Myristyl Ether</td>
<td>Jeecol PMA-3/Jeen</td>
<td>1.00</td>
</tr>
<tr>
<td>Microcrystalline Wax</td>
<td>Microcrystalline Wax/Strahl &amp; Pitsch</td>
<td>0.50</td>
</tr>
<tr>
<td>Dimethicone</td>
<td>DC 200/100/Dow Corning</td>
<td>1.00</td>
</tr>
<tr>
<td>Glyceryl Stearate</td>
<td>Lipo GMS 450/Lipo</td>
<td>1.00</td>
</tr>
<tr>
<td>Phase IV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tocopherol Acetate</td>
<td>Vitamin E Acetate/Rita Corp</td>
<td>0.10</td>
</tr>
<tr>
<td>Phase V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Water</td>
<td>2.00</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>TEA 99%/Rita Corp.</td>
<td>0.50</td>
</tr>
<tr>
<td>Phase VI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lactobacillus Ferment Lysate</td>
<td>Probacillus Revive/Active Concepts, LLC</td>
<td>2.80</td>
</tr>
<tr>
<td>Water (and) Glycerin (and) Sodium Levulinate (and) Sodium Anisate</td>
<td>Dermofeel 1388/Dr. Straetmans</td>
<td>3.00</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>Citric Acid 50% Solution</td>
<td>0.78</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Green Tea &amp; Bergamot 302-671/American Flavors and Fragrances</td>
<td>0.20</td>
</tr>
</tbody>
</table>

**Manufacturing Process:**

**Phase I:** Charge water into main beaker and begin propeller mixing. A vortex should form. Charge Dermofeel PA-3. Charge Sorbitol Solution. Begin heating to 75°C.

**Phase II:** Pre-blend and add to main.

**Phase III:** In a separate container, add ingredients and heat to 80°C. Once temperatures have been reached, add to main. Maintain batch temperature of 78°C and continue mixing for 15 minutes.

**Phase IV:** Begin force cooling. Add to main at 60°C.

**Phase V:** Pre-blend and add to main at 50°C.

**Phase VI:** Add to main at 45°C.

**Note:** Adjust pH to be 5.50 or below to ensure proper preservation.
Probiotic Night Serum
Formulation Code: FNFB01-61

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Trade Name/Vendor</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Phase I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>Water</td>
<td>QS</td>
</tr>
<tr>
<td>Sodium Phytate</td>
<td>Dermofeel PA-3/Dr. Straetmans</td>
<td>0.20</td>
</tr>
<tr>
<td>Milk Powder</td>
<td>ABS Goat Milk Powder/Active Concepts, LLC</td>
<td>0.50</td>
</tr>
<tr>
<td>Allantoin</td>
<td>Allantoin/Protameen</td>
<td>0.50</td>
</tr>
<tr>
<td>Panthenol</td>
<td>D,L Panthenol/Rita Corp.</td>
<td>0.50</td>
</tr>
<tr>
<td>Water (and) Algae Extract</td>
<td>AC Alg-Moist EAU/Active Concepts, LLC</td>
<td>50.00</td>
</tr>
<tr>
<td>Methyl Gluceth-20</td>
<td>Glucam E-20/Chemron</td>
<td>1.00</td>
</tr>
<tr>
<td>Lactobacillus/Punica Granatum Fruit Ferment Extract</td>
<td>ACB Modified Pomegranate Enzyme PF/Active Concepts, LLC</td>
<td>1.00</td>
</tr>
<tr>
<td>Water (and) Phospholipids (and) Ubiquinone</td>
<td>AC Co-Enzyme Q-10 Liposome PBF/Active Concepts, LLC</td>
<td>2.00</td>
</tr>
<tr>
<td>Hydrolyzed Corn Protein (and) Hydrolyzed Wheat Protein (and) Hydrolyzed Soy Protein</td>
<td>AC Plant Keratin/Active Concepts, LLC</td>
<td>1.00</td>
</tr>
<tr>
<td>Hydrolyzed Wheat Protein</td>
<td>Probacillus Revive/Active Concepts, LLC</td>
<td>2.00</td>
</tr>
</tbody>
</table>

**Manufacturing Process:**

**Phase I:** Charge water into main beaker and begin propeller mixing. A vortex should form. Charge each ingredient individually and allow dispersal. May heat to 50°C.