Pharmacy

<table>
<thead>
<tr>
<th>Drug Name</th>
<th>Route</th>
<th>Dosage Form</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamethoxazole-Trimethoprim</td>
<td>Oral</td>
<td>Suspension</td>
<td>40mg/5mL</td>
</tr>
</tbody>
</table>

**Formula Qty:** 100mL  
**Shelf Life:** 20 days

**Equipment needed:**  
Mortar and pestle, conical graduate, stirring rod

**Auxiliary labeling/Storage:** Shake Well; Refrigerate; Protect From Light

**Directions:**
1. Obtain Sulfamethoxazole-Trimethoprim SS 400 mg/80 mg tablets.
2. Pulverize tablets to a fine powder using a mortar and pestle.
3. Wet powder with a minimal amount of vehicle and levigate to form a viscous, but smooth and uniform paste.
4. Continue adding vehicle, geometrically, mixing well after each addition.
5. Transfer to conical graduate.
6. Rinse mortar with vehicle, adding rinse to graduate.
7. QS to final volume with vehicle. Stir well.
8. Transfer to amber bottle. Shake well.

**Final Product Description:** Semi-opaque, white suspension.

**Ingredients**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>QS</th>
<th>Quantity</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamethoxazole-Trimethoprim SS 80mg Tablets</td>
<td></td>
<td>10</td>
<td>Tablet</td>
</tr>
<tr>
<td>Simple Syrup NF</td>
<td>X</td>
<td>100</td>
<td>mL</td>
</tr>
</tbody>
</table>

**Citations/References**

1. Children’s MPLS Retail Pharmacy (Children’s Hospitals and Clinics of Minnesota)  
   June 16, 2014
2. Trissel’s Stability of Compounded Formulations, 5th Ed
3. Chin Pharmaceuticals J 1999;51:91-93

Reviewed: 07/03/2014 SY

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