Formulation Record

Formulation Title: Propranolol HCl 1 mg/mL Oral Suspension

Formula No. 23  
Quantity Prepared 240 mL

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Quantity</th>
<th>Unit</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propranolol 40 mg tablets</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Citric Acid, 10%</td>
<td>2.4 mL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SyrSpend</td>
<td>qs ad</td>
<td>240 mL</td>
<td></td>
</tr>
</tbody>
</table>

Equipment Required:
- Mortar and pestle
- Glass stirring rod
- Beakers
- Syringes
- Homogenizer

Compounding Instructions:
1. Calculate the total amount of drug and volume of solution needed.
2. Accurately weigh/measure each ingredient.
3. Crush tablets in mortar and pestle to make a fine powder.
4. Add a small amount of SyrSpend and triturate to a thick, smooth, uniform paste.
5. Continue adding SyrSpend by geometric dilution, mixing well after each addition, until formulation is liquid enough to transfer to a graduated cylinder. Use additional SyrSpend to rinse the remaining drug from the mortar and add the rinse to the graduate.
6. Add citric acid solution to the suspension in the graduate. Mix well.
7. Make up to final volume in the graduate using SyrSpend. Mix well.
8. Transfer the suspension to a beaker and blend with homogenizer until smooth.

Stability:
A beyond use date of 90 days (refrigerated) can be used for this preparation. [Geiger, C. M., Voudrie II, M. A., & Sorenson, B. (2012). Stability of propranolol hydrochloride in SyrSpend SF. International Journal of Pharmaceutical Compounding, 16(6), 513.]

Packaging:
Package in a tight, light-resistant container

Labeling:
Use only as directed. Refrigerate.

Quality Control Procedures:
- Physical observation: Opaque light suspension
- pH: <5.0

Written by: ___________________________  
Checked by: ___________________________