# Captopril Suspension 1 mg/mL

## INGREDIENTS:

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| Captopril 50 mg tablet | 2 tablets |
| Methylcellulose 1%/simple syrup NF* | QSAD: 100 mL |

## EQUIPMENT AND SUPPLIES:

Powder containment hood, mortar and pestle, graduated cylinder

## PREPARATION DETAILS:

1. Triturate tablets to a fine powder with a mortar and pestle.
2. Levigate powder with a small amount of vehicle to form a paste.
3. Add vehicle in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with vehicle and pour into graduated cylinder.
6. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
7. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
8. Shake well to mix.

***Special Instructions —*** *Mix 50 mL of methylcellulose 1% (see page 107 for preparation directions) with 50 mL of simple syrup NF. Use mixture as vehicle.

***Quality-Control Procedures —*** Visually inspect for physical appearance of formulation and container closure integrity (no leakage, cracks in container, or improper seals).

***Labeling Requirements —*** Extemporaneously compounded preparation. For oral use only. Store at room temperature or refrigerate. Shake well before use.

***Storage Conditions/Stability —*** **Store at room temperature or refrigerate. Stable for 7 days.**

## STABILITY STUDY DETAILS:

***Study Container Type —*** Glass prescription bottle

***Referenced Manufacturers —*** Captopril tablets (E.R. Squibb & Sons, LLC); simple syrup (Humco); methylcellulose (not specified).

***Stability-Indicating Study —*** Yes

### REFERENCE

1. Nahata MC, Morosco RS, Hipple TF. Stability of captopril in three liquid dosage forms. *Am J Hosp Pharm*. 1994;51(1):95-96.

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