

## Methyldopa Syrup 50 mg/mL

### INGREDIENTS:

Methyldopa 250 mg tablet	24 tablets
Simple syrup*	QSAD: 120 mL

### EQUIPMENT AND SUPPLIES:

Powder containment hood, glass mortar and pestle, graduated cylinder

### PREPARATION DETAILS:

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

**Special Instructions** — \*Simple syrup was made by mixing 252.6 g of sucrose in distilled water QSAD 150 mL.

**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 14 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Screw-cap glass bottle

**Referenced Manufacturers** — Methyldopa tablets (Aldomet, Merck & Co); sucrose (Hershey's cane sugar, Lobo-Kane, Inc); distilled water (Barnstead Still & Sterilizer Co).

**Stability-Indicating Study** — No

### REFERENCE

1. Newton DW, Rogers AG, Becker CH, et al. Extemporaneous preparation of methyldopa in two syrup vehicles. *Am J Hosp Pharm.* 1975;32(8):817-821.