

## Pyrazinamide Syrup 100 mg/mL\*

### INGREDIENTS:

Pyrazinamide 500 mg tablet	24 tablets
Simple syrup	QSAD: 120 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.

**Alternatives** — May substitute vehicle with 60 mL methylcellulose 1% (made by mixing methylcellulose 0.6 g [3.06 g powder] with 60 mL of purified water) mixed with 60 mL simple syrup.

**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 60 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Amber glass and plastic prescription bottle with safety cap

**Referenced Manufacturers** — Pyrazinamide tablets (Lederle Laboratories); simple syrup (Humco); methylcellulose (Citrucel, orange flavored, sugar free, Marion Merrell Dow); purified water (not specified).

**Stability-Indicating Study** — Yes

### REFERENCE

1. Nahata MC, Morosco RS, Peritore SP. Stability of pyrazinamide in two suspensions. *Am J Health Syst Pharm.* 1995;52(14):1558-1560.