

## Metronidazole Syrup 5 mg/mL—Formulation 2

### INGREDIENTS:

Metronidazole powder	500 mg
Ora-Sweet	QSAD: 100 mL

### EQUIPMENT AND SUPPLIES:

Powder containment hood, pharmaceutical analytical scale, mortar and pestle, graduated cylinder

### PREPARATION DETAILS:

1. Weigh out powder and add to a mortar.
2. Triturate contents to a fine powder.
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.

**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. Shake well before use.

**Storage Conditions/Stability** — Store at room temperature. Stable for 90 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Amber glass bottle

**Referenced Manufacturers** — Metronidazole powder (G.D. Searle & Co); Ora-Sweet (Paddock Laboratories, LLC).

**Stability-Indicating Study** — No

### REFERENCE

1. Mathew M, Das Gupta V, Bethea C. Stability of metronidazole in solutions and suspensions. *J Clin Pharm Ther.* 1994;19(1):27-29.