

## Pyrimethamine Suspension 2 mg/mL—Formulation 2

### INGREDIENTS:

Pyrimethamine powder	240 mg
Ora-Plus	60 mL
Ora-Sweet	QSAD: 120 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 with a small amount of Ora-Plus to form paste.
4. Add Ora-Plus 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 or refrigerate. Shake well before use.

**Storage Conditions/Stability** — Store at room temperature or refrigerate. Stable for 90 days when refrigerated and 48 days when stored at room temperature.

### STABILITY STUDY DETAILS:

**Study Container Type** — Plastic amber bottle capped with a syringe access cap

**Referenced Manufacturers** — Pyrimethamine powder (Medisca); Ora-Plus, Ora-Sweet (Perrigo Co).

**Stability-Indicating Study** — Yes

### REFERENCE

1. Lewis PO, Cluck DB, Huffman JD, et al. Stability of a pyrimethamine suspension compounded from bulk powder. *Am J Health Syst Pharm.* 2017;74:2060-2064.