

## Buspirone Hydrochloride Syrup 2.5 mg/mL

### INGREDIENTS:

Buspirone hydrochloride powder	300 mg
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 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 in increasing amounts while mixing thoroughly.
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 in refrigerator. Shake well before use.

**Storage Conditions/Stability** — Refrigerate. Stable for 30 days.

### STABILITY STUDY DETAILS:

**Study Container Type** — Not specified.

**Referenced Manufacturers** — Buspirone hydrochloride powder (Spectrum Chemical Manufacturing Corp); Ora-Sweet (Oramedix, Inc).

**Stability-Indicating Study** — No

### REFERENCE

1. Edwards DJ, Chugani DC, Chugani HT, et al. Pharmacokinetics of buspirone in autistic children. *J Clin Pharmacol.* 2006;46(5):508-514.