

## COMPOUND EVALUATION FORM

<b>Compound Name: Tetracycline</b>	<b>Container-closure system(s): Amber plastic bottle</b>
<b>Strength: 25 mg/mL</b>	<b>Preservatives: Contained in Ora-Blend</b>
<b>Dosage Form: Oral Suspension</b>	<b>Beyond Use Date (compound type): 28 day (preserved aqueous)</b>
<b>Product Description: Opaque suspension</b>	<b>Storage: refrigerate (preferred)</b>
<b>Auxiliary Labels: Labels: shake well; refrigerate</b>	
<b>Quality control procedures (ex: pH test, etc.): N/A</b>	
<b>Ingredients:</b> <b>Tetracycline 500mg Capsules</b> <b>Ora-blend</b>	

**Instructions for preparation:****Calculations:**

1. Empty contents of capsules into a mortar and triturate to a fine powder.
2. Wet powder with a minimal amount of vehicle and levigate to form a viscous, but smooth and uniform paste.
3. Continue adding vehicle, geometrically, mixing well after each addition
4. Transfer to graduate.
5. Rinse mortar with vehicle, adding rinse to graduate.
6. QS to final volume with vehicle. Stir well.

**Equipment/ Supplies:**

<input checked="" type="checkbox"/> Mortar and Pestle	<input checked="" type="checkbox"/> Stirring rod	<input type="checkbox"/> Ointment slab
<input checked="" type="checkbox"/> Graduated cylinder(s)	<input type="checkbox"/> Spatula	<input type="checkbox"/> Balance
<input type="checkbox"/> Weigh paper	<input checked="" type="checkbox"/> Amber <b>plastic</b> bottle	<input type="checkbox"/> Ointment jar
<input checked="" type="checkbox"/> Counting tray	<input type="checkbox"/> Syringe	<input type="checkbox"/> Funnel

Revised: K Nelson/A Swick 11/20220



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**References:**

1. Allen LV, Erickson MA. Stability of Bethanechol Chloride, Pyrazinamide, Quinidine Sulfate, Rifampin, and Tetracycline Hydrochloride in Extemporaneously Compounded Oral Liquids. *AM J Health-Syst Pharm.* 1998; (55): 1804-1809.
2. Nahata MC, Pai VB Tetracycline. *Pediatric Drug Formulations.* 2011; (6)

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