

COMPOUND EVALUATION FORM

Compound Name: Metronidazole	Container-closure system(s): Amber plastic bottle
Strength: 50 mg/mL	Preservatives: Contained in Ora-Blend
Dosage Form: Oral Suspension	Beyond Use Date (compound type): 60 days
Product Description: Opaque Suspension	Storage: Refrigerated (preferred) or Room Temperature
Auxiliary Labels: Shake well, Refrigerate	
Quality control procedures (ex: pH test, etc.): N/A	
Ingredients: Metronidazole 250 mg tablets Ora-Blend	

Instructions for preparation:

1. Crush tablets and triturate to a fine powder in mortar and pestle
2. Wet powder with minimal amount of vehicle to form a thick, viscous but smooth and uniform mixture.
3. Add remaining vehicle geometrically, mixing well after each addition.
4. Pour into graduate.
5. Rinse mortar several times with vehicle, adding to graduate.
6. QS with vehicle to final volume. Stir well.

Calculations:

Metronidazole 250mg Tablets: 30 Tablets
 Ora-Blend: QS 150mL

Metronidazole 250mg x 30 tablets = 7,500mg
 $7,500\text{mg metronidazole} / 150\text{mL} = 50\text{mg/mL}$

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 (plastic) bottle	<input type="checkbox"/> Ointment jar
<input checked="" type="checkbox"/> Counting tray	<input type="checkbox"/> Syringe	<input type="checkbox"/> Funnel

References:

1. Allen LV Jr, Erickson MA III. Stability of ketoconazole, metolazone, metronidazole, procainamide hydrochloride, and spironolactone in extemporaneously compounded oral liquids. *American Journal of Health-System Pharmacy*. 1996;53(17):2073-2078.
 doi:10.1093/ajhp/53.17.2073

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