

COMPOUND EVALUATION FORM

Compound Name: Hydrochlorothiazide	Container-closure system(s): Amber GLASS bottle
Strength: 5mg/mL	Preservatives: Contained in Ora-Blend
Dosage Form: Oral Suspension	Beyond Use Date (compound type): 60 days (preserved aqueous)
Product Description: Opaque Suspension	Storage: Room temperature
Auxiliary Labels: Room Temperature, Shake Well	
Quality control procedures (ex: pH test, etc.): None	
Ingredients: Hydrochlorothiazide tablets, Ora-Blend	

Instructions for preparation:**Calculations:**

1. Crush tablets in a GLASS 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 contents to the graduate
5. Rinse mortar with vehicle, adding rinse to graduate, until almost final volume
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 glass bottle	<input type="checkbox"/> Ointment jar
<input checked="" type="checkbox"/> Counting tray	<input type="checkbox"/> Syringe	<input type="checkbox"/> Funnel

References:

1. Allen LV, Erickson MA. Stability of labetalol hydrochloride, metoprolol tartrate, verapamil hydrochloride, and spironolactone with hydrochlorothiazide in extemporaneously compounded oral liquids. *Am J Health-Sys Pharm* 1996; 53(19): 2304–2309.

Revised: K Nelson/A Swick 11/2020



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2. Allen LV. Stability of extemporaneously prepared pediatric formulations using Ora-Plus with Ora-Sweet and Ora-Sweet SF-Part II. Secudum Artem. Paddock Labs. 6(1) www.perrigorx.com.
3. Binson G et al. Preparation and Physiochemical Stability of Liquid Oral Dosage Forms Free of Potentially Harmful Excipient Designed for Pediatric Patients. *Pharmaceutics MDPI*; 2019.
4. United States Pharmacopeia and National Formulary (USP 43-NF 38). Rockville, MD: United States Pharmacopeial Convention; 2020. Accessed October 10, 2020.
5. United States Pharmacopeial Convention, Inc. USP Pharmacist's Pharmacopeia. 2nd ed. Rockville, MD: US Pharmacopeial Convention, Inc.; 2008: 775-779, 797-831, 1463.

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Revised: K Nelson/A Swick 11/2020



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