

## Michigan Collaborative Standardization of Compounded Oral Liquids

<b>Drug name:</b>	<b>Sildenafil</b>	<b>Dosage Form:</b>	Suspension
<b>Concentration:</b>	2.5 mg/mL	<b>Shelf Life:</b>	91 days
<b>Route:</b>	Oral	<b>Storage:</b>	Room temperature or refrigerate
<b>Volume:</b>	120 mL	<b>Auxiliary Labeling:</b>	shake well before use

Ingredients	QS	Quantity	Units
Sildenafil 100-mg tablets		3	tablet
Ora-Sweet/Ora-Plus*	Y	qs ad 120	mL

### Directions:

1. Triturate tablets to a fine powder in a mortar and pestle.
2. Levigate with a small amount of base solution to form a paste.
3. Add base solution in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with base solution and pour into graduated cylinder.
6. Add base solution to the graduated cylinder to achieve total volume of 120 mL.
7. Transfer contents of the graduated cylinder into an appropriate size plastic amber bottle.
8. Shake well to mix.

### Notes:

- \*Mix 60 mL of Ora-Sweet with 60 mL of Ora-Plus. Use mixture as base solution. Shake well before use.
- Alternatives: May substitute base solution with 60 mL Methylcellulose 1% mixed with Simple Syrup NF.

### References:

- Nahata MC, Morosco RS, Brady MT. Extemporaneous sildenafil citrate oral suspensions for the treatment of pulmonary hypertension in children. *Am J Health-Syst Pharm.* 2006;63:254-257.
- Jew RK et al. Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients. 2<sup>nd</sup> Ed. American Society of Health-System Pharmacists. Bethesda, MD, 2010.

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