

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name: Topiramate

Concentration: 6 mg/mL

Route: Oral

Volume: 100 mL

Dosage Form: Suspension

Shelf Life: 28 days

Storage: Room temperature or refrigerate

Auxiliary Labeling: Shake well

Ingredients	QS	Quantity	Units
Topiramate 100-mg tablet		6	tablet
Ora-Sweet/Ora-Plus*	Y	qs ad 100	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 the total volume indicated above.
7. Transfer contents of the graduated cylinder into an appropriate size plastic amber bottle.
8. Shake well to mix.

Notes:

- *Mix 50 mL of Ora-Plus with 50 mL of Ora-Sweet. Use mixture as base solution. Shake well before use.
- Alternatives: May substitute base solution with 12.5 mL Methylcellulose 1% mixed with 87.5 mL Simple Syrup NF.

References:

- Nahata MC, Morosco RS, Willhite EA. Topiramate stability in two oral suspensions stored in plastic prescription bottles at two temperatures. *IPA. ASHP Midyear Meeting*, 2001;36:P-77R.
- Jew RK, Soo-Hoo W, Erush SC. *Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients*. 2nd ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

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