

# Michigan Collaborative Standardization of Compounded Oral Liquids

**Drug name:** Tramadol

**Concentration:** 5 mg/mL

**Route:** Oral

**Volume:** 120 mL

**Dosage Form:** Suspension

**Shelf Life:** 90 days

**Storage:** Room temperature or refrigerate

**Auxiliary Labeling:** Shake well

Ingredients	QS	Quantity	Units
Tramadol 50-mg tablet		12	tablet
Ora-Plus/Ora-Sweet SF*	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 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 60 mL of Ora-Plus with 60 mL of Ora-Sweet SF. Use mixture as base solution. Shake well before use.
- Alternatives: May substitute base solution with 60 mL of Ora-Plus mixed with 60 mL of strawberry syrup. Strawberry syrup is prepared by mixing 160 mL of Simple Syrup NF and 30 mL of strawberry fountain syrup.

## References:

- Wagner DS, Johnson CE, Cichon-Hensley BK, et al. Stability of oral liquid preparations of tramadol in strawberry syrup and in a sugar-free vehicle. *Am J Health-Syst Pharm.* 2003;60:1268-1270.
- Jew RK, Soo-Hoo W, Erush SC. *Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients.* 2<sup>nd</sup> ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

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