

# Michigan Collaborative Standardization of Compounded Oral Liquids

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<b>Drug name:</b>	<b>Lamotrigine</b>	<b>Dosage Form:</b>	Suspension
<b>Concentration:</b>	1 mg/mL	<b>Shelf Life:</b>	90 days
<b>Route:</b>	Oral	<b>Storage:</b>	Refrigerate or Room Temp
<b>Volume:</b>	100 mL	<b>Auxiliary Labeling:</b>	Shake Well

Ingredients	QS	Quantity	Units
Lamotrigine 25 mg tablets		4	tablets
Glycerin USP			drops
Ora-Blend (or 1:1 Ora-Plus:Ora-Sweet)	X	100	mL

## Directions:

1. Crush tablets in a mortar and grind into a fine powder.
2. Wet the powder with the smallest amount of glycerin possible forming a smooth uniform paste.
3. Add vehicle geometrically until almost final volume, mixing well.
4. Rinse mortar with syrup and add rinse to graduate.
5. Add QS of vehicle to final volume (100 mL).

## References:

1. Nahata MC, Morosco RS, Hipple TF. Stability of lamotrigine in two extemporaneously prepared oral suspensions at 4 and 25°C. *Am J Health-Syst Pharm.* 1999;56:240-242.
2. 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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