

COMPOUND EVALUATION FORM

Compound Name: Ursodiol	Container-closure system(s): Amber glass bottle
Strength: 60 mg/mL	Preservatives: Contained in simple syrup
Dosage Form: Oral Suspension	Beyond Use Date (compound type): 35 days
Product Description: Opaque Suspension	Storage: Refrigerated (preferred) or Room Temperature
Auxiliary Labels: Shake well, Refrigerate	
Quality control procedures (ex: pH test, etc.): N/A	
Ingredients: Ursodiol 300 mg capsules Glycerin, USP Simple syrup, NF	

Instructions for preparation:

1. Open capsules in glass mortar.
2. Wet powder with glycerin to form a fine paste.
3. Add simple syrup vehicle geometrically, mixing well after each addition.
4. Pour into graduate.
5. Rinse mortar several times with simple syrup, adding to graduate.
6. QS with simple syrup to final volume. Stir well.

Calculations:

Ursodiol 300 mg capsules: 30 capsules
 Glycerin: 1.5 mL
 Simple syrup: QS 150mL

Ursodiol 300 mg capsules x 30 tablets = 9,000mg
 $9,000 \text{ mg ursodiol} / 150\text{mL} = 60\text{mg/mL}$

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. Johnson CE, Nesbitt J. Stability of ursodiol in an extemporaneously compounded oral liquid. Am J Health Syst Pharm. 1995;52(16):1798-1800. doi:10.1093/ajhp/52.16.1798
2. Johnson CE, Streetman D. Stability of oral suspension of ursodiol made from tablets. Am J Health Syst Pharm. 2002;59(4):361-3. doi:10.1079/ajhp/59.4.361

Revised: A Swick 04/2021



NATIONWIDE CHILDREN'S®
When your child needs a hospital, everything matters.

Nationwide Children's Hospital Disclaimer:

The information provided on this site is for educational and informational purposes and may not be relied upon to direct or provide care to a patient. This material is not intended as a substitute for consulting health care professionals. The health care professionals remain solely responsible to provide and direct patient care. The information contained on this site may not be up to date due to more recent medical developments. The preparation, dispensing, and administration of pharmaceuticals is and remains the responsibility of licensed medical professional or pharmacist. Nationwide Children's Hospital assumes no liability for any injury and/or damage to persons from use of any information contained on this site.

Revised: A Swick 04/2021

