

COMPOUND EVALUATION FORM

| | |
|--|--|
| Compound Name: Pyridoxine Hydrochloride | Container-closure system(s): Amber Glass bottle |
| Strength: 1mg/mL | Preservatives: Contained in simple syrup |
| Dosage Form: Oral Suspension | Beyond Use Date (compound type): 30 day (preserved aqueous) |
| Product Description: Opaque suspension | Storage: Refrigerate |
| Auxiliary Labels: Refrigerate | |
| Quality control procedures (ex: pH test, etc.): N/A | |
| Ingredients: Pyridoxine 100mg/mL injection Simple Syrup | |

Instructions for preparation:

1. Using a syringe and a needle, withdraw pyridoxine solution from vial.
2. Transfer to a graduate.
3. Qs to final volume with vehicle. Stir well.

Calculations:**Equipment/ Supplies:**

| | | |
|---|--|--|
| <input 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 type="checkbox"/> Counting tray | <input checked="" type="checkbox"/> Syringe | <input type="checkbox"/> Funnel |
| | | <input checked="" type="checkbox"/> Needle |

References:

1. Ensom, M. H., & Décarie, D. (2014). Stability of extemporaneously compounded pyridoxine in glass and plastic bottles and plastic syringes. *The Canadian journal of hospital pharmacy*, 67(5), 394–396.
2. Ferreira AO, Polonini HC, Silva SL, Patrício FB, Brandão MAF, Raposo NRB. Feasibility of amlodipine besylate, chloroquine phosphate, dapsone, phenytoin, pyridoxine hydrochloride, sulfadiazine, sulfasalazine, tetracycline

Revised: K Nelson/A Swick 12/2020



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

hydrochloride, trimethoprim and zonisamide in SyrSpend(®) SF PH4 oral suspensions. J Pharm Biomed Anal. 2016 Jan 25;118:105-112. doi: 10.1016/j.jpba.2015.10.032. Epub 2015 Oct 27. PMID: 26540625.

3. USP 795. USP Pharmaceutical compounding—nonsterile preparations.

Revised: K Nelson/A Swick 12/2020



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: K Nelson/A Swick 12/2020



NATIONWIDE CHILDREN'S®

When your child needs a hospital, everything matters.