



SUGGESTED FORMULA

Doxycycline 50mg/mL Oral Suspension in Corn Oil

Version number: 1.0

Volume: 100mL

Doxycycline Hyclate, USP*	5gm
Flavor (Powder or Liquid-Oil Soluble)**	1gm or 5mL
Corn Oil, Silica Vehicle	QS 100mL

* Before starting compound it is necessary to account for the activity (Assay) of the Doxycycline Hyclate.

****If using dry power flavor add to step# 3, if using liquid flavor add directly to the bottle.**

SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required amount needed for the total amount to be prepared
2. Weigh and/or measure all ingredients
3. Place Doxycycline in a mortar and dry triturate to break down any clumps in the material
4. Add enough corn oil/ silica suspension to form a paste then triturate until Doxycycline is fully broken down and incorporated into the liquid
5. Add more corn oil until pourable mixture and pour into calibrated final container
6. Perform liquid "washes" in mortar to integrate remaining chemical
7. Pour each "wash" into final container taking precaution not to go over the final volume
8. Q.S. medication and shake well
9. Suggested Quality Assessments- follow pharmacy SOP's:
 - a. Weight to volume calibration
 - b. Color
 - c. Pourability
 - d. Settling
 - e. Resuspendability

Store in air tight amber plastic containers at room temperature

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates by the formulator using reference books, peer-reviewed literature, and intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

Beyond-Use Date should be based on the current USP <795> Standards – Estimated to be 60 days based on potential of formula to absorb moisture.

Precautions should be taken to prevent cross-contamination and exposure of ingredients to the compounder and contamination of the preparation by the compounder. Wear appropriate protective equipment. Use safety enclosures (hoods) when weighing and mixing.

Although much attention has been paid to ensure the accuracy of the formulation contained here, Spectrum Pharmacy Products accepts no liability for the loss or damage arising from reliance on the information. Compounding pharmacists using this formula take full responsibility for the formulations and hold Spectrum Pharmacy Products and Spectrum Chemical Mfg Corp. and its officers, directors and employees harmless for any claim arising from use of or reliance on information contained therein.

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