



#### SUGGESTED FORMULA

Niacinamide 4% / Diltiazem HCL 3% / Hyaluronic Acid 2% Topical Gel, Preserved

Version number: 1.0

Volume or quantity: 100 gm

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|                            |               |
|----------------------------|---------------|
| Niacinamide, USP (NI105)   | 4gm           |
| Diltiazem HCL, USP (D1163) | 3gm           |
| Hyaluronic Acid            | 2mL           |
| Carbomer (Carbopol 934)    | 1gm           |
| Triethanolamine            | q.s few drops |
| Methylparaben, NF (ME163)  | 50mg          |
| Propylparaben, NF (PR133)  | 10mg          |
| Purified Water, USP        | q.s. 100mL    |

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#### SUGGESTED COMPOUNDING PROCEDURES

1. Calculate the required quantity of each ingredient for the total amount to be prepared
2. Accurately weigh and/or measure each ingredient
3. Dissolve Niacinamide, Diltiazem, Methylparaben and Propylparaben in about 3/4 the final volume of water
4. Geometrically add in the Hyaluronic Acid and Carbomer 934 into the water carefully to avoid the formation of clumps.
5. Add sufficient amount of water to bring to volume
6. Add Triethanolamine drop wise to achieve desired viscosity-being careful not to incorporate excess air into the preparation.
7. Package and label
8. Suggested Quality assessments:
  - a. color
  - b. texture
  - c. container
  - d. Label - auxiliary labels, storage, BUD, compounded medication

Store in light resistant air-tight container, at Controlled 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 from 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 assigned based on the current guidelines of USP Chapter <795>**

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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