

**SUGGESTED FORMULA**

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Acetylcysteine 200 mg/mL Oral Suspension

Version number: 1.0

Volume: 100 mL

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Acetylcysteine, USP [AC126]	20 GM
Sodium Hydroxide, NF [SO170]	2.45 GM
Edetate Disodium Dihydrate [ED150]	0.05 GM
Stevioside (Stevia)	0.15 GM
Flavor	Q.S.
Sodium Hydroxide 10% Aqueous Solution	Q.S.
Water, Purified USP	Q.S. 100 mL

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Suggested flavor: Lemon extract

Further dilution for a single oral dose: Lemon-lime soda

The API should be handled under minimum light and packaged with protection from light

**SUGGESTED COMPOUNDING PROCEDURES**

1. Calculate the required quantity of each ingredient for the total amount to be prepared
2. Weigh and/or measure each ingredient accurately
3. Dissolve the disodium edetate dihydrate in about 60 mL purified water
4. Dissolve the sodium hydroxide in about 10 mL purified water
5. Add Acetylcysteine to the edetate disodium solution
6. Add the sodium hydroxide solution to the mixture and mix well
7. Add the stevia and flavors and mix until a clear solution is obtained
8. If necessary, adjust the pH to 3.5 to 4.0 with additional sodium hydroxide 10% solution
9. Add sufficient purified water to volume and mix well
10. Package and label
11. Suggested Quality Assessments
  - a. weight to volume calculation
  - b. color
  - c. pourability
  - d. settling
  - e. resuspendability

Store in air tight amber plastic containers  
Store refrigerated

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 assigned according to the current USP <795> standards**

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.

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