



SUGGESTED FORMULA

Caffeine Citrate 20mg/mL Oral Solution

Version number: 1.0

Volume: 100 mL

Caffeine Citrate, USP	2 g
Potassium Sorbate	0.1 g
Sodium Citrate, Anhydrous	2 g
Sorbitol (optional)	20 g
Water, Purified, USP	qs 100 mL

Note: The ratio of therapeutic doses of caffeine base to its citrate salt is 1:2. This formulation is equivalent to 10mg/mL anhydrous caffeine.

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 Caffeine Citrate, Potassium Sorbate, Sodium Citrate and Sorbitol (if used) in about 90mL of purified water.
4. Dissolve Acetylcysteine into step 3.
5. Bring to final volume with purified water and mix well.
6. Package in amber container and label.
7. Quality Assessments:
 - a. Weight to volume calculation
 - b. Clarity
 - c. Color

Store in air-tight 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.

Assign Beyond-Use Date per current standards in 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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