

Children's Hospital of Eastern Ontario

MASTER FORMULA SHEET – NON-STERILE MANUFACTURING

PRODUCT: CITRIC ACID 25% SOLUTION

Date Prepared: _____

FINAL PRODUCT CHECKED BY: _____

EXPIRY DATE: _____

INGREDIENTS	MANUFACTURER	LOT #	MAN. EXPIRY DATE	FORMULA QUANTITY	QUANTITY USED	MFG BY	CHK BY
Citric Acid				1.25 g			
Sterile Water				qs to 5 mL			

EQUIPMENT

- Mortar and pestle
- Graduated cylinder
- Gloves and mask (citric acid is a mucous membrane irritant)

MANUFACTURING DIRECTIONS

1. Levigate powder with a small amount of the vehicle to make a fine paste.
2. Continue to add vehicle until product is liquid enough to transfer to a graduated cylinder.
3. Rinse mortar several times with vehicle and add to product to graduated cylinder.
4. QS to final volume with vehicle.
5. Dispense in amber plastic bottles. Refrigerate.
6. **Bottle must NOT have rubber cap liners; citric acid reacts with rubber products**

SAMPLE LABEL

CITRIC ACID 25% SOLUTION

Shake well. Refrigerate.

Date Prepared: _____ Date Expired: _____

STABILITY

2 months in fridge.

REFERENCE(S)

- Anon, Compounded Drug Formulas, Alberta Children's Hospital, Calgary Regional Health Authority, May 2000, pp 39
- Sick Kids formulation, accessed Dec 2010
http://www.sickkids.ca/pdfs/Pharmacy/2652-Citric_Acid.pdf

Master Sheet Revision Dates: May 1989; 24 July 1998; 24 March 2006; 5 Oct 06; 31 Dec 2010 **Final Approval By:** JF/EW

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