

# G. AMPHRAY LABORATORIES

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## CERTIFICATE OF ANALYSIS

Product	: CALCIUM CITRATE USP	Q. C. Ref. No	: G-07/309
Batch No.	: CAC-006/08	Date of Expiry	: April, 2012.
Date of Mfg.	: May, 2007.	Date of Receipt	: 30.05.2007
Qty.	: 300 Kgs.	Date of Analysis	: 30.05.2007
Sample Size	: 100 Gms		

## RESULT OF ANALYSIS

TEST	RESULTS	SPECIFICATIONS
DESCRIPTION	A White odourless crystalline Powder.	A white odourless crystalline powder.
SOLUBILITY	Complies	Slightly soluble in water, freely soluble in diluted 3 N HCL and in diluted 2 N HNO insoluble in alcohol.
IDENTIFICATION	A) Complies B) Complies	As per USP
ARSENIC	< 3 ppm	NMT 3 ppm.
LOSS ON DRYING	12.24 %	Between 10.0 % to 13.3 %
LIMIT OF FLUORIDE	Less Than 0.003 %	NMT 0.003 %
LIMIT OF ACID INSOLUBLE SUBSTANCES	0.094 %	NMT 0.2 %
LEAD	<0.001%.	NMT 0.001 %
HEAVY METALS	<0.002 %	NMT 0.002 %
ORGANIC VOLATILE IMPURITIES	In our process we do not use any organic solvent so there is no possibility of any organic volatile impurities being present in the product	Chloroform -- NMT 60 µg per g. 1,4 Dioxane -- NMT 380 µg per g. Methylene Chloride -- NMT 600 µg per g. Trichloroethylene -- NMT 80 µg per g.
ASSAY (on dried basis)	98.89 %	Between 97.5 % 100.5 %

### Additional Test

1) Particle Size on Tyler Machine:-

MESH	MICRON	% PASSING THROUGH
20	850	100.00 %
25	710	98.00 %
35	500	95.00 %

2) Bulk Density after 50 tapped = 0.64 gm / ml

REPORT: THE ABOVE BATCH COMPLIES WITH THE PRESCRIBED STANDARDS OF QUALITY AS PER USP 30.

Certified True Copy  
For G. AMPHRAY LABORATORIES

AUTHORISED SIGNATORY