



PHARMA DEVILS

QUALITY CONTROL DEPARTMENT

ANALYTICAL SPECIFICATION FOR CITRIC ACID MONOHYDRATE IP

Manufacturer Name :		Supplier Name :	
Manufacturer's Batch No.:		Manufacturer's Batch Size :	
Manufacturing Date :		Expiry Date :	
Quantity received :		Sample Quantity :	
Document No.:	Effective Date.:	Change Control No.: N/A	
Control No./A.R.No. :		Retest Date:	

Reference : IP 96 (Page No 193)

Description : Colourless crystals or white crystalline powder; slight efflorescent in Dry air, free from foreign particles.
Complies/ Does Not Comply

Solubility : Very Soluble in water (1 in 1) ; freely soluble in ethanol (95%)(1 in 1-10); sparingly soluble in ether(1 in 30-100).
Complies/Does Not Comply

S.No.	Test	Reference	Result	Specification	Remark
1.	Identification (A) Citrates (B)	IP		(A) A white ppts soluble in 6M acetic acid is produced. (B) Solution is strongly acidic	
2.	Clarity and Colour of Solution.	IP		Solution is clear opalescence less than OS1 and not more intense coloured than YS7, BYS7 or GYS7.	
3.	Arsenic	IP		Not More Than 1 ppm	
4.	Barium	IP		Shall Comply	
5.	Calcium	IP		Not More Than 200 ppm	
6.	Heavy Metals	IP		Not More Than 10 ppm	
7.	Iron	IP		Not More Than 50 ppm	
8.	Chloride	IP		Not More Than 50 ppm	
9.	Sulphate	IP		Not More Than 150 ppm	
10.	Oxalic Acid	IP		Any pink colour	



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S.No.	Test	Reference	Result	Specification	Remark
				Produced is Not More Than intense than that produced by using 0.2 mg of oxalic acid dissolve in 4 ml of water.	
11.	Readily Carbonisable Substances	IP		Any colour produced is not more intense than that of the mixture of 1.0 ml of CCS and 9.0ml of FCS.	
12.	Sulphated Ash	IP		Not More Than 0.1 %	
13.	Water	IP		Between 7.5 % and 9.0 %	
14.	Assay as C ₆ H ₈ O ₇ (On anhydrous Basis)	IP		Not Less Than 99.0 % and Not More Than 101.0 %	

Raw Data Reference:

Analyst Name :

Analyst Name :

Analyst Name :

Analyst Hard Book No. :

Page No. :

Analyst Hard Book No. :

Page No. :

Analyst Hard Book No. :

Page No. :

Results : Sample Conforms/Does not Conform to specification

Analyzed By : _____

Date: _____

Checked By : _____

Date: _____

Approved By : _____

Date: _____