

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : CITRIC ACID (ANHYDROUS)
MSDS no. BPPL 110	SPECIFICATION NO. FP-110

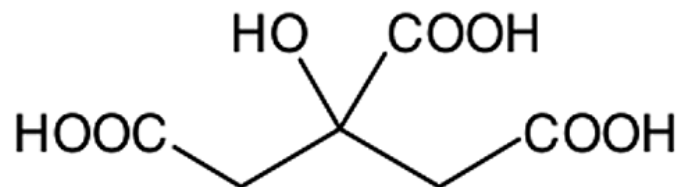
1. NOMENCLATURE : 2-Hydroxy-1,2,3- Propane
Tricarboxylic Acid.
: 2-Hydroxy Propane -1,2,3-
Tricarboxylic Acid.

2. CAS No. : 77-92-9

3. EMPIRICAL FORMULA : $C_6H_8O_7$

4. MOL. WT. : 192.1

5. STRUCTURAL FORMULA :



6. DESCRIPTION : A White Crystalline Powder,
Colorless Crystals or Granules.
: Very soluble in water.
: Freely soluble in Alcohol.
: Sparingly soluble in Ether.

7. THERAPEUTIC USE : In Preparation of Dialysis
Solutions.
: Used as LR/AR/ACS Reagents.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : CITRIC ACID (ANHYDROUS) LR/GR /AR/ACS/BP/EP/USP
MSDS no. BPPL- 110	SPECIFICATION NO. FP-110

- 1. DESCRIPTION** : A White Crystalline Powder,
Colorless Crystals or Granules.

- 2. SOLUBILITY** : Very soluble in water.
: Freely soluble in Alcohol;
: Sparingly soluble in Ether.
: 2 gms. dissolves in 10 ml. of water
giving Clear Solution.

- 3. IDENTIFICATION** : **A)** By PH of Water Solution.
B) BY IR Spectrophotometry.
C) By Color Development .
D) By Precipitation.

- 4. CLARITY & COLOUR OF
SOLUTION
(Appearance Of Solution)** : 2 gms. dissolves in 10 ml. of
water, giving Clear Solution, not
more intensely coloured than
Reference Solution, Y₇ ; BY₇ or GY₇.

- 5. CHLORIDE (Cl)** : Max. 0.005 % (50 ppm) (GR / AR)
: Max. 0.01% (100 ppm) (LR)
: Max. 0.001% (10 ppm) (ACS)

- 6. SULPHATE (SO₄)** : Max. 0.015 % (150 ppm) (BP)
: Max. 0.01% (100 ppm) (GR /AR/LR)
: Max. 0.002% (20 ppm) (ACS)

- 7. HEAVY METALS (As Pb)** : Max. 0.001% (10 ppm)
(BP / LR / GR / AR / USP)
: Max. 0.0002% (2 ppm) (ACS)

- 8. INSOLUBLE MATTER** : Max. 0.005% (50 ppm) (ACS)

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- 9. RESIDUE AFTER IGNITION** : Max. 0.02% (200 ppm) (ACS)
(Sulphated Ash) : Max. 0.1% (BP)
: Max. 0.05% (500 ppm) (LR / USP)
- 10. OXALATE** : Max. 0.05% (500 ppm) (GR/ AR/ ACS)
: Max. 0.1% (1000 ppm) (LR)
: Max. 0.035 % (350 ppm) (BP)
- 11. PHOSPHATE** : Max. 0.001% (10 ppm) (ACS)
- 12. IRON** : Max. 0.001% (10 ppm) (GR/AR)
: Max. 0.005% (50 ppm) (LR)
: Max. 0.0003% (3 ppm) (ACS)
- 13. ARSENIC** : Max. 0.0002% (2 ppm) (GR/AR)
: Max. 0.0005% (5 ppm) (LR)
: Max. 0.0003% (3 ppm) (USP)
- 14. COPPER** : Max. 0.001% (10 ppm) (GR/ AR)
- 15. CALCIUM** : Max. 0.02% (200 ppm) (GR/AR)
- 16. LOSS ON DRYING** : Max. 0.5% (5000 ppm) (GR/AR/LR)
(105°C)
- 17. WATER (by K.F)** : Max. 1.0 % (BP)
: Max. 0.5% (5000 ppm) (LR/ USP)
- 18. SUBSTANCES CARBONIZABLE :** Passes as per BP.
BY HOT SULFURIC ACID

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19. ASSAY : Min. 99.8% (GR / AR)
(By Acidimetric) : Min. 99.5% (BP / LR / ACS)

20. PACKING : 25 Kgs. LD Polythene Bag
(800 guage) with double LDPE
Liners.

21. STORAGE : Store in an airtight container.