

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : CITRIC ACID (MONOHYDRATE)
MSDS no. BPPL 111	SPECIFICATION NO. FP-111

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

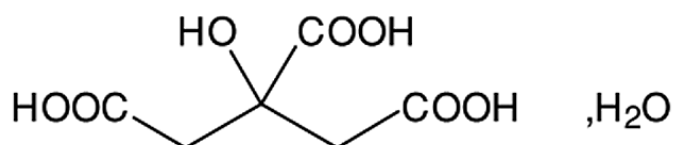
: 2-Hydroxy – 1,2,3 – Propane Tricarboxylic Acid, Monohydrate.

2. CAS No. : 5949-29-1

3. EMPIRICAL FORMULA : $C_6H_8O_7, H_2O$

4. MOL. WT. : 210.1

5. STRUCTURAL FORMULA :



6. DESCRIPTION :

- : A white, Crystalline powder;
- : Colourless crystals or Granules, Efflorescent.
- : 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.

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QUALITY CONTROL AND ASSURANCE	PRODUCT : CITRIC ACID (MONOHYDRATE) LR/GR/AR/ACS/BP/EP/USP
MSDS no. BPPL- 111	SPECIFICATION NO. FP-111

- 1. DESCRIPTION** : A white, Crystalline powder;
: Colourless crystals or Granules,
Efflorescent.
- 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. 0.001% (10 ppm) (GR / AR/ ACS)
: Max. 0.005% (50 ppm) (LR)
- 6. SULPHATE (SO₄)** : Max. 0.005% (50 ppm) (GR/AR)
: Max. 0.01% (100 ppm) (LR)
: Max. 0.002% (20 ppm) (ACS)
: Max. 0.015% (150 ppm) (BP)
- 7. HEAVY METALS (As Pb)** : Max. 0.0002% (2 ppm) (ACS)
: Max. 0.001% (10 ppm) (LR / BP)
: Max. 0.0005% (5 ppm) (GR/AR)
- 8. INSOLUBLE MATTER** : Max. 0.005% (50 ppm) (ACS)

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- 9. RESIDUE AFTER IGNITION** : Max. 0.1% (1000 ppm) (BP)
(Sulphated Ash) : Max. 0.02% (200 ppm) (ACS)
: Max. 0.05% (500 ppm) (LR)
: Max. 0.01% (100 ppm) (GR/AR)
- 10. OXALATE** : Max. 0.05% (500 ppm) (LR/ AR/GR/ACS)
: Max. 0.035% (350 ppm) (BP)
- 11. PHOSPHATE** : Max. 0.001% (10 ppm) (ACS /AR/GR)
- 12. IRON** : Max. 0.0003% (3 ppm) (GR / AR/ ACS)
: Max. 0.0005% (5 ppm) (LR)
- 13. ARSENIC** : Max. 0.0001% (1 ppm) (GR / AR/ LR)
- 14. CALCIUM** : Max. 0.02% (200 ppm) (GR / AR / LR)
- 15. WATER (by K.F)** : Max. 7.5% to 9.0% (BP/LR)
: Max. 8.8% (USP)
- 16. SUBSTANCES CARBONIZABLE:
BY HOT SULFURIC ACID** Passes as per BP / ACS.
- 17. ASSAY** : Bet. 99.0% to 102% (ACS/LR)
(By Acidimetric) : Bet. 99.5% to 101% (BP /GR/AR)
- 18. PACKING** : 25 Kgs. LD Polythene Bag (800 guage)
with double LDPE Liners.
- 19. STORAGE** : Store in an airtight container.