

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : SODIUM CITRATE (Dihydrate)
MSDS no. BPPL 101	SPECIFICATION NO. FP-101

1. NOMENCLATURE :

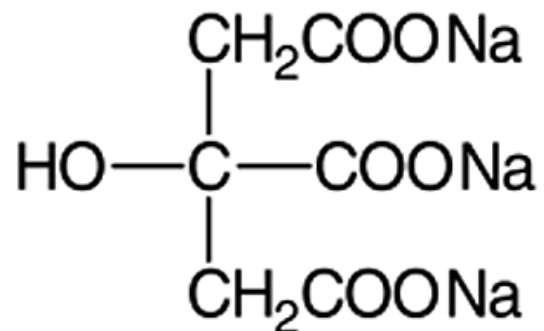
- : 2-Hydroxy – 1,2,3-
Propanetricarboxylic Acid,
Trisodium.
- : Tri Sodium Citrate.(Dihydrate)
- : Tri Sodium 2-Hydroxy
Propane – 1,2,3,- Tri Carboxylic.

2. CAS No. : 6132-04-3

3. EMPIRICAL FORMULA : $C_6H_5Na_3O_7, 2H_2O$

4. MOL. WT. : 294.1

5. STRUCTURAL FORMULA :



6. DESCRIPTION :

- : A white, Crystalline powder or
white, Granular Crystals.
- : Slightly deliquescent in moist Air.
- : Freely soluble in water.
- : Practically insoluble in Alcohol.

7. THERAPEUTIC USE :

- : Systemic Alkalinising substance.
- : Used in Food preparations. (FCC)
- : Used as LR/AR/ACS Reagents.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : SODIUM CITRATE (Dihydrate) LR/AR/ACS/BP/EP/USP
MSDS no. BPPL- 101	SPECIFICATION NO. FP-101

1. **DESCRIPTION** : A white, Crystalline powder or white, Granular Crystals.
: Slightly deliquescent in moist Air.

2. **SOLUBILITY** : Freely soluble in water.
: Practically insoluble in Alcohol.
: 10 gms. dissolves in 100 ml. of CO₂ Free water.

3. **IDENTIFICATION** : **A)** By Reactions of Citrates.
B) BY Reactions of Sodium.

4. **CLARITY & COLOUR OF SOLUTION (Appearance Of Solution)** : 10 gms. dissolves in 100 ml. of CO₂ Free water.
: The Solution is Clear and Colorless.

5. **PH (5% Solution)** : 7.0 to 9.0 (LR / ACS)
: 7.5 to 9.0 (GR / AR)

6. **HEAVY METALS (AS Pb)** : Max. 0.001 % (10 ppm) (BP LR)
: Max. 0.0005% (5 ppm) (ACS/GR/ AR)

7. **CHLORIDES** : Max. 0.005 % (50 ppm) (BP)
: Max. 0.003% (30 ppm) (ACS)
: Max. 0.01% (100 ppm) (LR)
: Max. 0.001% (10 ppm) (AR/GR)

8. **SULPHATE** : Max. 0.015% (150 ppm) (BP)
: Max. 0.005% (50 ppm) (ACS)
: Max. 0.02% (200 ppm) (LR)
: Max. 0.004% (40 ppm) (AR/GR)

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- 9. IRON (Fe)** : Max. 0.0005% (5 ppm) (ACS/AR/GR)
- 10. CALCIUM** : Max. 0.005% (50 ppm) (ACS)
- 11. AMMONIA** : Max. 0.003% (30 ppm) (ACS)
- 12. INSOLUBLE MATTER** : Max. 0.005% (50 ppm) (ACS)
- 13. PHOSPHATES (PO₄)** : Max. 0.002% (20 ppm (AR/GR)
- 14. READILY CARBONISABLE
SUBSTANCES** : The Solution is not more than
Reference Solution YS₂ or GYS₂.
(As per BP)
- 15. ASSAY** : Max. 99.0% to 101%
(By Total Alkalinity by
Non- Aqueous Titration) (BP/ ACS / GR/AR)
: Max. 98.0% to 101% (LR)
- 16. PACKING** : 25 Kgs. LD Polythene Bag
(800 guage) with double
LDPE Liners.
- 17. STORAGE** : Store in an airtight container.