

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : POTASSIUM CITRATE (MONOHYDRATE)
MSDS no. BPPL 073	SPECIFICATION NO. FP-073

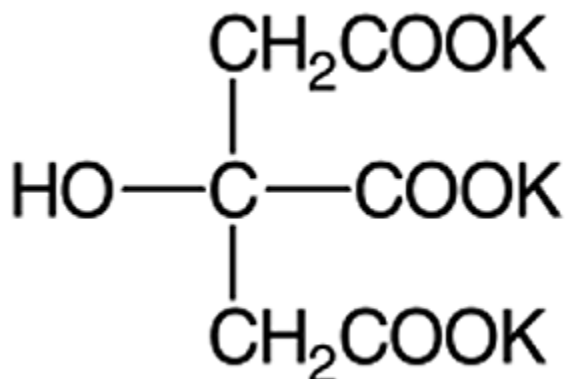
1. NOMENCLATURE : Tripotassium Citrate
: Tri Potassium 2-Hydroxy
Propane-1,2,3- Tri Carboxylate.

2. CAS No. : 6100-05-6

3. EMPIRICAL FORMULA : $C_6H_5K_3O_7, H_2O$

4. MOL. WT. : 324.4

5. STRUCTURAL FORMULA :



6. DESCRIPTION : A white, granular powder
or Transparent crystals,
Hygroscopic.
: Very soluble in water.
: Practically insoluble in Alcohol.

7. THERAPEUTIC USE : Systemic Alkalinising substance.
: Used in soft drinks and 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 : POTASSIUM CITRATE (BP/EP/USP/LR/AR/ACS)
MSDS no. BPPL 073	SPECIFICATION NO. FP-073

1. **DESCRIPTION** : A white, granular powder or Transparent crystals, Hygroscopic.
2. **SOLUBILITY** : Very 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 Potassium.
4. **ACIDITY OR ALKALINITY** : NMT 0.2 ml. of 0.1M Hydrochloric Acid or 0.1 M Sodium Hydroxide is required.(As per BP)
5. **PH (5% Solution)** : 8.5 to 9.0 (AR /GR)
: 8.0 to 9.5 (LR/ACS)
6. **READILY CARBONISABLE SUBSTANCES** : The Solution is not more than Reference Solution YS₂ or GYS₂. (BP/GR / AR)
7. **CLARITY & COLOUR OF SOLUTION (Appearance Of Solution)** : 10% Solution in CO₂ free water is Clear and Colourless. (BP/AR/ACS)
8. **HEAVY METALS (AS Pb)** : Max. 0.001% (10 ppm) (BP)
: Max. 0.0005% (5 ppm) (GR/AR)
: Max. 0.001% (10 ppm) (LR / ACS)
9. **CHLORIDE** : Max. 0.005 % (50 ppm) (BP / LR)
: Max. 0.001% (10 ppm) (GR/AR/ACS)
10. **SULPHATE** : Max. 0.015% (150 ppm) (BP)
Max. 0.005% (50 ppm) (GR/AR.
Max. 0.01% (100 ppm) (LR / ACS)

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- 11. ARSENIC (As)** : Max. 0.00004% (0.4 ppm) (GR/AR)
: Max. 0.0003% (3 ppm) (LR/ACS)
- 12. SODIUM** : Max. 0.3% (3000 ppm) (BP)
: Max. 0.05% (500 ppm) (GR/AR)
- 13. OXALATE** : Max. 0.03% (300 ppm) (BP/LR).
: Max. 0.01% (100 ppm) (GR/AR)
- 14. AMMONIA (NH₄)** : Max. 0.001% (10 ppm) (GR/AR)
- 15. IRON** : Max. 0.001% (10 ppm) (ACS)
: Max. 0.0005% (5 ppm) (GR/AR)
- 16. WATER** : Between 4.0 & 7.0% w/w. (BP)
: Between 3.0 to 6.0% w/w (ACS)
- 17. COPPER** : Max. 0.002% (20 ppm) (LR)
: Max. 0.00005% (0.5 ppm) (GR/AR)
- 18. INSOLUBLE MATTER** : Max. 0.003% (30 ppm) (GR/AR)
: Max. 0.01% (100 ppm) (ACS)
- 19. ASSAY** : 99.0 % - 101.0% (BP / GR /AR /ACS)
: 98.5 % - 101.0 % (LR)
- 20. PACKING** : 25 Kgs. LD Polythene Bag (800 guage)
with double LDPE Liners.
- 21. STORAGE** : Store in an airtight container.