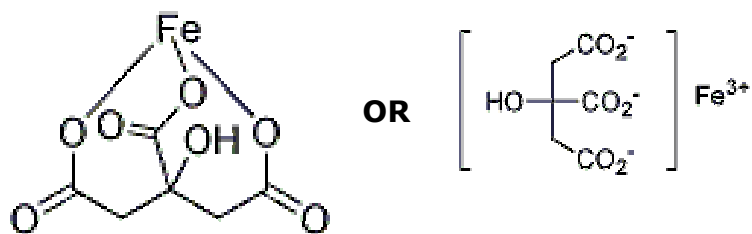


M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : FERRIC CITRATE, PURIFIED POWDER.
MSDS no. BPPL 107	SPECIFICATION NO. FP-107

- 1. NOMENCLATURE** : Iron (III) Citrate.
: Citric Acid, Iron (3+) Salt.
: 1,2,3- Propanetricarboxylic
Acid, 2-Hydroxy- Iron Salt.
- 2. CAS No.** : 2338-05-8 / 3522-50-7(Anhy.)
: 17217-76-4 (Trihydrate)
- 3. HS CODE** : 29181590
- 4. EMPIRICAL FORMULA** : $C_6H_5FeO_7$. (Anhy.)
: $Fe(C_6H_5O_7) \cdot 3H_2O$ (Trihydrate)
- 5. MOL. WT.** : 244.95 (Anhy.)
: 298.99 (Trihydrate)

6. STRUCTURAL FORMULA :



- 6. DESCRIPTION** : Pale Brown Powder /
Orange to Brown Powder .
(Garnet Red Powder)
: Fine, Gray-Green Granules
- 7. THERAPEUTIC USE** : Nutrient ; Dietary Supplement
: For Iron supplement in
Agricultural Applications.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT FINE CHEMICALS SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : FERRIC CITRATE LR/ACS/ FCC / AGRI.
MSDS no. BPPL- 107	SPECIFICATION NO. FP-107

- 1. DESCRIPTION** : Pale Brown Powder /
Orange to Brown Powder .
(Garnet Red Powder)
: Fine, Gray-Green Granules.

- 2. SOLUBILITY** : 1 gm. Dissolves in 20 ml.
of hot water, giving almost
Clear solution.

- 3. IDENTIFICATION** : **A)** By Reactions of Citrates.
B) BY Reactions of Ferric Salt.

- 4. CLARITY & COLOUR OF SOLUTION
(Appearance Of Solution)** : 1 gm. Dissolves in 100 ml. of
water, giving almost Clear
solution, and Yellow to Yellow
Green color.

- 5. ACIDITY / ALKALINITY** : A 5% Solution in water has a
pH between 6.0 to 7.0

- 6. HEAVY METALS (AS Pb)** : Max. 0.001% (10 ppm) (FCC)
: Max. 0.005% (50 ppm) (LR)

- 7. WATER** : Max. 1.0% (Anhy.)

- 8. SULPHATE (SO₄)** : Max. 0.1% (1000 ppm) (FCC)

- 9. CHLORIDE** : Max. 0.2% (2000 ppm) (FCC)
: Max. 0.05% (500 ppm) (LR)

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT FINE CHEMICALS SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : FERRIC CITRATE LR/ACS/FCC / AGRI.
MSDS no. BPPL- 107	SPECIFICATION NO. FP-107

- 10. ARSENIC (As₂O₃)** : Max. 0.0005 % (5 ppm)
(LR / FCC)
- 11. MERCURY** : Max. 0.0003% (3 ppm) (FCC)
- 12. AMMONIUM (NH₄)** : Max.0.5% (5000 ppm) (LR)
- 13. CADMIUM** : Max. 0.005% (50 ppm) (LR)
- 14. COPPER** : Max. 0.005% (50 ppm) (LR)
- 15. ZINC (Zn)** : Max. 0.005% (50 ppm) (LR)
- 16. IRON (Ferric Content)
(Assay)** : Bet. 18.0% to 20.0%
(FCC/LR)
- 17. Fe²⁺ CONTENT
(Ferrous Content)** : Max. 5.0% (FCC)
- 18. PACKING** : 25 Kgs. LD Polythene Bag
(800 guage) with double
LDPE Liners.
- 19. STORAGE** : Store in a Clean, Dark and
Dry warehouse in the original
unopened containers.
- : Light Sensitive, keep it
under dark place.