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Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Ferrous Sulphate Heptahydrate IP


Page No.: 1 of 3

Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/030	00	03/08/2021	02/08/2024
Change Control No.	NA		

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1.0 SAMPLING LEVEL :

As mentioned in the “Sampling procedure” SOP.

2.0 SAMPLING METHOD TO BE FOLLOWED:

100% sampling to be done from each container.

3.0 TOTAL COMPOSITE SAMPLE TO BE COLLECTED :

100 gm

4.0 EXPIRY :

Five years from the Date of Manufacturing.

5.0 CAS No: 7782-63-0**6.0 MOLECULAR FORMULA: FeSO₄.7H₂O****7.0 MOLECULAR WEIGHT: 278.0 gm/mol.****8.0 CATEGORY: Haematinic.****9.0 STORAGE: In an airtight container.****10.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :**

Use hand gloves, goggles and apron during Handling.

11.0 CONTROL SAMPLE: 3 X 100 gm.**UNCONTROLLED COPY****Format No. QC/017/F/01-00****Certified By (Sign/Date) :**  03/08/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: IP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	Bluish green crystals or alight green crystalline powder; odourless. Efflorescent in air. On exposure to moist air. The crystals rapidly oxidise and become brown.
2.	Identification It gives reaction (A) of ferrous salts arid-the reactions of Sulphates.	To Pass test
3.	Appearance of solution	The solution is not more opalescent than opalescence standard OS2.
4.	pH	3.0 to 4.0
5.	Arsenic	Max. 2 ppm
6.	Copper	Max. 50 ppm
7.	Lead	Max. 50 ppm
8.	Zinc	Max. 500 ppm
9.	Manganese	Max. 0.1 %
10.	Ferric ions	Max. 0.5 %
11.	Chlorides	Max. 250 ppm
12.	Assay %	Min. 98.0 % to Max. 105.0 %

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	03/08/2021	First Issuance	N A

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