

**MASTER COPY**



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

**Quality Control**

**Standard Test Specifications**

**Title: Ferrous Sulphate Heptahydrate BP**


**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		

Prepared By:  \_\_\_\_\_


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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: FeSO<sub>4</sub>.7H<sub>2</sub>O****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) :**

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**TEST PARAMETERS AND SPECIFICATIONS****REF: BP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	Light green, crystalline powder or bluish-green crystals, efflorescent in air.
2.	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in ethanol (96 %).
3.	<b>Identification A</b> It gives the reactions of sulfates <b>Identification B</b> It gives reaction (a) of iron <b>Identification C</b> It complies with the limits of the assay	To Pass test  To Pass test  To Pass test
4.	pH	3.0 to 4.0
5.	Chlorides (Cl)	Max. 200 ppm
6.	Chromium	Max. 50 ppm
7.	Copper	Max. 50 ppm
8.	Ferric ions	Max. 0.3 %
9.	Manganese	Max. 0.1 %
10.	Nickel	Max. 50 ppm
11.	Zinc	Max. 50 ppm
12.	Assay % (Dried Basis)	99.0 % to 101.0 %

**REVISION HISTORY:**

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

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