

**MASTER COPY**

**Annexe**  
CHEM PVT. LTD.

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

**Quality Control**

**Standard Test Specifications**

**Title: Ferrous Sulphate Heptahydrate AR**


**Page No.:** 1 of 3

Specification No.:	Revision No.:	Effective Date	Review Date
ACPL/FP/SP/030	00	29/07/2021	28/07/2024
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 RETEST DATE :** Three year**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) :**  29/07/2021

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**TEST PARAMETERS AND SPECIFICATIONS****REF: AR**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Bluish-Green Crystals, Efflorescent, Oxidized in moist Air.
2.	Test Solution (5 gm in 50 ml water + 1 ml sulfuric acid)	Solution is clear and Bluish-Green
3.	pH of 5% Solution	3.0 to 4.0
4.	Insoluble Matter	Max. 100 ppm
5.	Chloride as Cl	Max. 10 ppm
6.	Arsenic as As	Max. 0.4 ppm
7.	Calcium as Ca	Max. 50 ppm
8.	Copper as Cu	Max. 50 ppm
9.	Ferric ion as Fe <sup>+3</sup>	Max.0.1% (Due to inherent oxidation, Ferric ion (Fe <sup>+3</sup> ) content may increase on storage)
10.	Magnesium as Mg	Max. 20 ppm
11.	Manganese as Mn	Max. 500 ppm
12.	Potassium as K	Max. 20 ppm
13.	Sodium as Na	Max. 200 ppm
14.	Zinc as Zn	Max. 50 ppm
15.	Assay as FeSO <sub>4</sub> .7H <sub>2</sub> O	Min. 99.00 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	29/07/2021	First Issuance	N A

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