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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 ACS


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:** 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) :**  29/07/2021

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NA

TEST PARAMETERS AND SPECIFICATIONS**REF: ACS**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Bluish-Green Crystals
2.	Test Solution (5 gm in 50 ml water + 1 ml sulfuric acid)	Solution is clear and Bluish-Green
3.	Insoluble Matter	Max. 100 ppm
4.	Chloride as Cl	Max. 10 ppm
5.	Phosphate as PO ₄	Max. 10 ppm
6.	Calcium as Ca	Max. 50 ppm
7.	Copper as Cu	Max. 50 ppm
8.	Ferric ion as Fe ⁺³	Max.0.1% (Due to inherent oxidation, Ferric ion (Fe ⁺³) content may increase on storage)
9.	Magnesium as Mg	Max. 20 ppm
10.	Manganese as Mn	Max. 500 ppm
11.	Potassium as K	Max. 20 ppm
12.	Sodium as Na	Max. 200 ppm
13.	Zinc as Zn	Max. 50 ppm
14.	Assay as FeSO ₄ .7H ₂ 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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