

**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 Food Grade****Page No.:** 1 of 3**Specification No.:**

ACPL/FP/SP/030

**Revision No.:**

00

**Effective Date**


02/08/2021

**Review Date**

01/08/2024

**Change Control No.**


NA

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## Quality Control

### Standard Test Specifications

Title: Ferrous Sulphate Heptahydrate Food Grade

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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: $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$

#### 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.

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**TEST PARAMETERS AND SPECIFICATIONS**  
**REF: FOOD GRADE**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Green Crystal or Crystalline Powder, Odorless, 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.	Identification	To Pass test
4.	pH of 5% solution	3.0 to 4.0
5.	Chloride as Cl	Max. 150 ppm
6.	Assay as $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	Min. 98.00 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	02/08/2021	First Issuance	N A

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