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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: Ferric Chloride Hexahydrate AR**

**Page No.: 1 of 3**

**Specification No.:**  
ACPL/FP/SP/028

**Revision No.:**  
00

**Effective Date**  
31/07/2021

**Review Date**  
30/07/2024

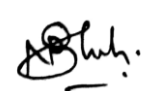
**Change Control No.**

NA

Prepared By: 


Date: 28/07/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 29/07/2021

Name : Nilesh Shah  
(Unit Head / Designee)

Approved By: 

Date: 30/07/2021

Name : Naresh Solanki  
(QA/QC In Charge / Designee)

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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:** 10025-77-1**6.0 MOLECULAR FORMULA:**  $\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$ **7.0 MOLECULAR WEIGHT:** 270.30 gm/mol.**8.0 CATEGORY:** Excipients**9.0 STORAGE:** In 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: AR**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Crystalline mass or Orange-Yellow or Brownish-Yellow Crystals, very hygroscopic
2.	Solubility	Very soluble in water and in Ethanol (96%), Freely soluble in Glycerol
3.	Appearance of solution	Should comply the test
4.	Appearance of solution (JPE)	Should comply the test
5.	Acidity (HCl)	Should comply the test
6.	Free Chlorine	Should comply the test
7.	Nitrate as NO <sub>3</sub>	Should comply the test
8.	Phosphate as PO <sub>4</sub>	Max. 20 ppm
9.	Sulphate as SO <sub>4</sub>	Max. 50 ppm
10.	Heavy Metals	Max. 50 ppm
11.	<b>Metal Impurities by IPC-MS</b>	
12.	Arsenic	Max. 2 ppm
13.	Copper	Max. 50 ppm
14.	Ferrous (Fe <sup>+2</sup> )	Max. 50 ppm
15.	Manganese as Mn	Max. 500 ppm
16.	Sodium as Na	Max. 500 ppm
17.	Lead as Pb	Max. 50 ppm
18.	Zinc	Max. 50 ppm
19.	Assay by Titration (% W/w)	Min. 99.00 % to Max. 102.00 %
20.	Substances not precipitated by ammonia solution (as Sulphate)	Max. 0.1 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	31/07/2021	First Issuance	NA

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