

**MASTER COPY**



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

**Quality Control**

**Standard Test Specifications**

**Title: Magnesium Sulphate Heptahydrate AR**

**Page No.:** 1 of 3

**Specification No.:**  
ACPL/FP/SP/032


**Revision No.:**  
00

**Effective Date**  
06/08/2021

**Review Date**  
05/08/2024


**Change Control No.**

NA

Prepared By: 


Date: 03/08/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 04/08/2021

Name : Nilesh Shah  
(Unit Head / Designee)

Approved By: 

Date: 05/08/2021

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

**UNCONTROLLED COPY**

Format No. QC/017/F/01-00

Certified By (Sign/Date) :  06/08/2021

**MASTER COPY**

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

**Quality Control****Standard Test Specifications****Title: Magnesium Sulphate Heptahydrate AR****Page No.: 2 of 3****Specification No.:**  
ACPL/FP/SP/032**Revision No.:**  
00**Effective Date**  
06/08/2021**Review Date**  
05/08/2024**Change Control No.**

NA

**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 years.**5.0 CAS No:** 10034-99-8**6.0 MOLECULAR FORMULA:** MgSO<sub>4</sub>.7H<sub>2</sub>O**7.0 MOLECULAR WEIGHT:** 246.5 gm/mol.**8.0 CATEGORY:** Osmotic laxative; used in the treatment of electrolyte deficiency.**9.0 STORAGE:** Preserve in well-closed containers.**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 100gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  06/08/2021

**MASTER COPY**

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

**Quality Control****Standard Test Specifications****Title: Magnesium Sulphate Heptahydrate AR****Page No.:** 3 of 3**Specification No.:**  
ACPL/FP/SP/032**Revision No.:**  
00**Effective Date**  
06/08/2021**Review Date**  
05/08/2024**Change Control No.**

NA

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

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder or brilliant, colorless crystals.
2.	Solubility	Freely soluble in water, very soluble in boiling water, practically insoluble in ethanol (96 %)
3.	Appearance of Solution	Clear and colorless
4.	pH (5% Aqueous Solution)	5.0 – 8.0
5.	Water Insoluble Matter	Max. 50 ppm
6.	Chloride	Max. 5 ppm
7.	Calcium	Max. 100 ppm
8.	Zinc	Max. 10 ppm
9.	Sodium	Max. 50 ppm
10.	Copper	Max. 5 ppm
11.	Manganese	Max. 5 ppm
12.	Potassium	Max. 50 ppm
13.	Phosphate	Max. 10 ppm
14.	Lead	Max. 5 ppm
15.	Iron	Max. 20 ppm
16.	Assay	Min. 99.5 % as MgSO <sub>4</sub> .7H <sub>2</sub> O

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	06/08/2021	First Issuance	N A

**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  06/08/2021