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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: Magnesium Sulphate Heptahydrate IP**

**Page No.:** 1 of 3

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

**Revision No.:**  
00

**Effective Date**  
07/08/2021

**Review Date**  
06/08/2024

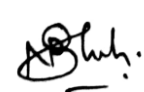
**Change Control No.**

NA

Prepared By: 


Date: 04/08/2021

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Reviewed By: 

Date: 05/08/2021

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Date: 06/08/2021

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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 EXPIRY :**

Five years from the Date of Manufacturing.

**5.0 CAS No:** 10034-99-8**6.0 MOLECULAR FORMULA:**  $MgSO_4 \cdot 7H_2O$ **7.0 MOLECULAR WEIGHT:** 246.5 gm/mol.**8.0 CATEGORY:** Osmotic laxative; used in the treatment of electrolyte deficiency.**9.0 STORAGE:** Store protected from moisture.**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) :**  07/08/2021

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**TEST PARAMETERS AND SPECIFICATIONS**

REF: IP

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Colorless crystals or a white, crystalline powder.
2.	<b>Identification A</b> It gives the reactions of sulfates <b>Identification B</b> It gives reaction (A) of magnesium salts	To pass test  To pass test
3.	Appearance of solution	Clear and Colorless
4.	Acidity or alkalinity	Not more than 0.2 mL of 0.01 M hydrochloric acid or 0.01 M sodium hydroxide.
5.	Arsenic (As)	Max 2 ppm
6.	Heavy metals	Max. 10 ppm
7.	Iron (Fe)	Max. 200 ppm
8.	Chlorides	Max. 300 ppm
9.	Loss on Drying	48.0 % to 52.0 %
10.	Assay (Dried basis)	99.0 % - 100.5 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	07/08/2021	First Issuance	N A

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