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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 BP**

**Page No.: 1 of 3**

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

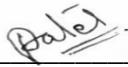
**Revision No.:**  
00

**Effective Date**  
07/08/2021

**Review Date**  
06/08/2024

**Change Control No.**

NA

Prepared By: 

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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:** 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) :**  07/08/2021

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**TEST PARAMETERS AND SPECIFICATIONS****REF: BP**

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.	<b>Identification A</b> It gives the reactions of sulfates <b>Identification B</b> It gives the reaction of magnesium	To pass test  To pass test
4.	Appearance of solution	Clear and Colorless
5.	Acidity or alkalinity	Not more than 0.2 mL of 0.01 M hydrochloric acid or 0.01 M sodium hydroxide.
6.	Chlorides	Max. 300 ppm
7.	Arsenic (As)	Max 2 ppm
8.	Iron (Fe)	Max. 20 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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