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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 USP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/032

Revision No.:
00

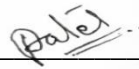
Effective Date
07/08/2021

Review Date
06/08/2024

Change Control No.


NA

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Date: 04/08/2021

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Date: 05/08/2021

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Quality Control**Standard Test Specifications****Title: Magnesium Sulphate Heptahydrate USP****Page No.:** 2 of 3

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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:** 246.47 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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NA

TEST PARAMETERS AND SPECIFICATIONS**REF: USP**

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.	Identification A Identification Tests—General, Magnesium and Sulfate.	To pass test
4.	Assay (Dried basis)	99.0 % - 100.5 %
5.	Limit of Chloride	Max. 140 ppm
6.	Limit of Iron	Max. 20 µg/g
7.	Selenium	Max 30 µg/g
8.	pH	5.0 – 9.2
9.	Loss on Drying	Max. 2.0 %
10.	Loss on Ignition	Loses 40.0%–52.0% of its weight

REVISION HISTORY:

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

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