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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 Chloride Hexahydrate USP

Page No.: 1 of 3

Specification No.:
ACPL/FP/SP/031

Revision No.:
00

Effective Date
04/08/2021

Review Date
03/08/2024

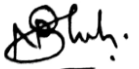
Change Control No.

NA

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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: 7791-18-6**6.0 MOLECULAR FORMULA:** MgCl₂.6H₂O**7.0 MOLECULAR WEIGHT:** 203.3 gm/mol.**8.0 CATEGORY:** Excipient.**9.0 STORAGE:** Preserve in tight 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 100 gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**  04/08/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	Colorless crystals, hygroscopic.
2.	Solubility	Very soluble in water, freely soluble in ethanol (96 %).
3.	Identification A Test for magnesium Identification B Test for chlorides	To Pass test To Pass test
4.	Assay	98.0 % - 101.0 %
5.	Insoluble Matter	Max. 50 ppm
6.	Sulfate (SO ₄)	Max. 50 ppm
7.	Barium	No turbidity is produced within 2 h
8.	Limit of Calcium	Max. 100 ppm
9.	Potassium	No turbidity is produced within 5 min
10.	Aluminum	Max. 1 ppm
11.	pH	4.5 – 7.0

REVISION HISTORY:

Revision No.	Effective Date	Revision Description	Change Control No.
00	04/08/2021	First Issuance	N A

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