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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 BP

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.

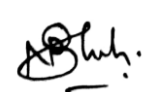
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Quality Control**Standard Test Specifications****Title: Magnesium Chloride Hexahydrate BP****Page No.:** 2 of 3**Specification No.:**
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1.0 SAMPLING LEVEL :

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:** $MgCl_2 \cdot 6H_2O$ **7.0 MOLECULAR WEIGHT:** 203.3 gm/mol.**8.0 CATEGORY:** Excipient.**9.0 STORAGE:** In an airtight container.**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) :**  04/08/2021

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TEST PARAMETERS AND SPECIFICATIONS**REF: BP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	Colorless crystals, hygroscopic.
2.	Solubility	Very soluble in water, freely soluble in ethanol (96 %).
3.	Identification A Water (see tests) Identification B It gives reaction (a) of chlorides Identification C It gives the reaction of magnesium	To Pass test To Pass test To Pass test
4.	Appearance of solution	The solution is clear and colorless
5.	Acidity or alkalinity	Not more than 0.3 mL of 0.01 M hydrochloric acid or 0.01 M sodium hydroxide is required
6.	Bromides	Max. 500 ppm
7.	Sulfate (SO ₄)	Max. 100 ppm
8.	Aluminium	Max. 1 ppm
9.	Arsenic (As)	Max. 2 ppm
10.	Calcium	Max. 0.1 %
11.	Iron (Fe)	Max. 10 ppm
12.	Potassium	Max. 500 ppm
13.	Water	51.0 % to 55.0 %
14.	Assay	98.0 % - 101.0 %

REVISION HISTORY:

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

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