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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: Calcium Chloride Dihydrate JP**

**Page No.: 1 of 3**

**Specification No.:**  
ACPL/FP/SP/057

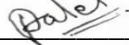
**Revision No.:**  
00

**Effective Date**  
12/07/2021

**Review Date**  
11/07/2024


**Change Control No.**

NA

Prepared By: 


Date: 08/07/2021

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Date: 09/07/2021

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Date: 10/07/2021

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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:** 10035-04-8**6.0 MOLECULAR FORMULA:** CaCl<sub>2</sub>.2H<sub>2</sub>O.**7.0 MOLECULAR WEIGHT:** 147.0 gm/mol.**1.0 CATEGORY:** Calcium replenisher.**2.0 STORAGE:** Containers - Tight containers.**3.0 SAFETY PRECAUTIONS TO BE TAKEN WHILE SAMPLING AND HANDLING :**

Use hand gloves, goggles and apron during Handling.

**4.0 CONTROL SAMPLE:** 3 X 100gm.**UNCONTROLLED COPY****Format No.** QC/017/F/01-00**Certified By (Sign/Date) :**

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**TEST PARAMETERS AND SPECIFICATIONS****REF: JP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Description	Calcium Chloride Hydrate occurs as white, granules or masses. It is odorless.
2.	Solubility	It is very soluble in water, and soluble in ethanol (95), and practically insoluble in diethyl ether.
3.	<b>Identification</b> Responds to the Qualitative Tests for calcium salt and for chloride	To Pass test
4.	pH	Between 4.5 and 9.2.
5.	Clarity and color of solution	water is clear and colorless
6.	Sulfates	Max. 240 ppm
7.	Hypochlorite	No blue color develops immediately.
8.	Heavy metals	Max. 10 ppm
9.	Iron, aluminum or phosphate	No turbidity or precipitate is produced.
10.	Barium (Ba)	No turbidity is produced
11.	Arsenic	Max. 2 ppm
12.	Assay (Dried basis)	96.7 % to 103.3 %

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	12/07/2021	First Issuance	N A

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