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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 USP**

**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: 

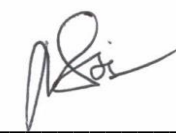
Date: 08/07/2021

Name : Pankaj Patel  
(QC Officer / Designee)

Reviewed By: 

Date: 09/07/2021

Name : Nilesh Shah  
(Unit Head / Designee)

Approved By: 

Date: 10/07/2021

Name : Naresh Solanki  
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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.

**8.0 CATEGORY:** Calcium replenisher.

**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 100gm.

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**TEST PARAMETERS AND SPECIFICATIONS****REF: USP**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder, hygroscopic.
2.	Solubility	Freely soluble in water, soluble in ethanol (96 %).
3.	<b>Identification A</b> Test for Calcium <b>Identification B</b> Test for Chloride	To pass test  To pass test
4.	Assay(Dried basis)	99.0 % to 107.0 %
5.	Aluminium	Max. 1.0 ppm
6.	Iron, Aluminum and Phosphate	No turbidity or precipitate is produced.
7.	Limit of Magnesium and Alkali Salts	Max. 1.0 %
8.	pH	4.5 - 9.2

**REVISION HISTORY:**

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

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