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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 LR**

**Page No.: 1 of 3**

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

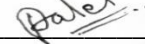
**Revision No.:**  
00

**Effective Date**  
10/07/2021

**Review Date**  
09/07/2024

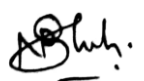
**Change Control No.**

NA

Prepared By: 


Date: 07/07/2021

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Reviewed By: 

Date: 08/07/2021

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Date: 09/07/2021

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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 RETEST DATE:** Three year

**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:** In an airtight container.

**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.

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**TEST PARAMETERS AND SPECIFICATIONS****REF: LR**

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder, hygroscopic.
2.	Solubility	Freely soluble in water.
3.	Clarity (10% solution)	Clear and colorless
4.	Matter In soluble in water	Max. 0.01 %
5.	pH 5% aq. Solution	4.5 – 8.5
6.	Moisture Content By KF	24.00 % to 27.00 %
7.	Sulphate as SO <sub>4</sub>	Max. 100 ppm
8.	Heavy Metal (as Pb)	Max. 10 ppm
9.	Iron as Fe	Max. 10 ppm
10.	Magnesium as Mg	Max. 500 ppm
11.	Assay	Max. 98.00 % of CaCl <sub>2</sub> .2H <sub>2</sub> O

**REVISION HISTORY:**

Revision No.	Effective Date	Revision Description	Change Control No.
00	10/07/2021	First Issuance	N A

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