

MASTER COPY



Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Calcium Chloride Dihydrate ACS

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: Pankaj Patel

Date: 07/07/2021

Name : Pankaj Patel
(QC Officer / Designee)

Reviewed By: Nilesh Shah

Date: 08/07/2021

Name : Nilesh Shah
(Unit Head / Designee)

Approved By: Naresh Solanki

Date: 09/07/2021

Name : Naresh Solanki
(QA/QC In Charge / Designee)

UNCONTROLLED COPY

Format No. QC/017/F/01-00

Certified By (Sign/Date) : Naresh Solanki 10/07/2021

MASTER COPY



Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Calcium Chloride Dihydrate ACS

Page No.: 2 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

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: $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$.

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.

UNCONTROLLED COPY

Format No. QC/017/F/01-00

Certified By (Sign/Date) :  10/07/2021

MASTER COPY



Plot no. 1116/P, Lamadapura Road,
Manjusar – 391 775,
Ta- Savli, Dist. Vadodara, Gujarat, India

Quality Control

Standard Test Specifications

Title: Calcium Chloride Dihydrate ACS

Page No.: 3 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

TEST PARAMETERS AND SPECIFICATIONS

REF: ACS

Sr. No.	TEST PARAMETER	SPECIFICATION
1.	Appearance	White or almost white, crystalline powder, hygroscopic.
2.	Solubility	Freely soluble in water.
3.	pH (5% Solution)	4.5 – 8.5
4.	Insoluble Matter	Max. 0.01%
5.	Oxidizing Substances as NO ₃	Max. 0.003%
6.	Sulphate as SO ₄	Max. 0.01%
7.	Ammonium as NH ₄	Max. 0.005%
8.	Iron as Fe	Max. 0.001%
9.	Barium as Ba	Max. 0.005%
10.	Heavy Metal as Pb	Max. 0.0005%
11.	Magnesium as Mg	Max. 0.005%
12.	Potassium as K	Max. 0.01%
13.	Sodium as Na	Max. 0.02%
14.	Strontium as Sr	Max. 0.1%
15.	Assay %	NLT 99 % and NMT 105% of CaCl ₂ .2H ₂ O

REVISION HISTORY:

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

UNCONTROLLED COPY

Format No. QC/017/F/01-00

Certified By (Sign/Date) :  10/07/2021