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

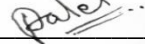
Quality Control

Standard Test Specifications

Title: Calcium Chloride Dihydrate IP


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| Specification No.: | Revision No.: | Effective Date | Review Date |
|--------------------|---------------|----------------|-------------|
| ACPL/FP/SP/057 | 00 | 10/07/2021 | 09/07/2024 |
| Change Control No. | NA | | |

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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: CaCl₂.2H₂O.

7.0 MOLECULAR WEIGHT: 147.0 gm/mol.

8.0 CATEGORY: Calcium replenisher.

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.

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NA

TEST PARAMETERS AND SPECIFICATIONS**REF: IP**

| Sr. No. | TEST PARAMETER | SPECIFICATION |
|---------|--|--|
| 1. | Appearance | A white, crystalline powder or fragments or granules: odourless; hygroscopic |
| 2. | Solubility | Freely soluble in water, soluble in ethanol (96 %). |
| 3. | Identification A It gives reactions and of calcium salts. Identification B A 10 per cent w/v solution in carbon dioxide-free water prepared from distilled water gives reaction A of chlorides. | To pass test To pass test |
| 4. | Appearance of Solution | Solution A is clear and not more intensely colored than reference solution YS6. |
| 5. | Acidity or Alkalinity | NMT 0.2 mL of 0.01 M sodium hydroxide or 0.01 M hydrochloric acid is required to turn it red |
| 6. | Arsenic | Max. 3 ppm |
| 7. | Aluminium and Phosphate | No turbidity or precipitate is produced. |
| 8. | Barium (Ba) | Not More opalescent than a mixture of 10 ml of solution A and 1 ml of distilled water |
| 9. | Heavy metals | Max. 10 ppm |
| 10. | Iron (Fe) | Max. 20 ppm |
| 11. | Magnesium and alkali salts | Max. 1.0 % |
| 12. | Sulphates | Max. 300 ppm |
| 13. | Assay(Dried basis) | 97.0 % to 103.0 % |

REVISION HISTORY:

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

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