



Chemrich

GSTIN : 24CSYPM9949Q1Z5

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License Number-10725997000512

SPECIFICATIONS :**Product Name: Calcium Chloride****Grade : Dihydrate Food Grade****CAS No. : 10035-04-8****Molecular formula : $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$** **Molecular weight : 147.01 g/mol****Tests And Average results**

SL#	Tests	Average Results	Acceptance criteria
1	Description	White, hard fragments, granules, or powder. It is deliquescent.	White, hard fragments, granules, or powder. It is deliquescent.
2	Solubility	Complies	It is soluble in water and slightly soluble in alcohol.
3	pH of a 1:20 aqueous solution	8.5	4.5 – 11.0
4	Identification	Complies	1:10 aqueous solution gives positive tests for Calcium and for Chloride.
5	Acid-Insoluble Matter Anhydrous	Complies	Not more than 0.02%; no particles per kilogram of sample greater than 2 mm in any dimension
6	Arsenic	Complies	Not more than 3 mg/kg.
7	Fluoride	Complies	Not more than 0.004%.
8	Lead	Complies	Not more than 5 mg/kg.
9	Magnesium and Alkali Salts Anhydrous	Complies	Not more than 4.0%
10	Assay as CaCl_2	99.5 %	Not less than 99.0% and not more than 107.0% of $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$.

Prepared by: Mr. Karmakar**Date: 01.01.2025****Reviewed and released by****Mr. Eshan Makani****(Director – Technical)****Date : 01.01.2025**