

5096 – CALCIUM CHLORIDE (DIHYDRATE) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5096	STANDARD SPECIFICATION FOR CALCIUM CHLORIDE (DIHYDRATE) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5096

PRODUCT PROPERTIES

C.A.S Number	10043-52-4
Chemical Formula	CaCl ₂ .2H ₂ O
Formula weight	147.02
Functional Uses	Calcium chloride is used as firming agent.
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White, hard, deliquescent fragments or granules.
Solubility	Freely soluble in water; soluble in ethanol
Test for chloride	Passes test.
Test for calcium	Passes test.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Free alkali (as CaOH) ₂	NMT – 0.15%
Magnesium and alkali salts	NMT – 5.0%
Fluoride	NMT – 40 mg/kg
Lead	NMT – 2 mg/Kg
Assay	99.0 – 107.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

