5010 – CALCIUM CARBONATE (PRECIPITATED) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5010	STANDARD SPECIFICATION FOR CALCIUM CARBONATE (PRECIPITATED) (FOOD GRADE)	**Rev. No:** 03
Issue No: 04		**Review Date:** 06/02/2025
Issue Date:07/02/2022		**Product code:** 5010

PRODUCT PROPERTIES

C.A.S Number	471-34-1
Chemical Formula	CaO_3
Formula weight	100.09
Functional Uses	Calcium carbonate is used as anticaking agent in food
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Odorless, white micro-crystalline powder
Solubility	Insoluble in water and ethanol
Test for carbonate	Passes test
Test for calcium	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (200° , 4 h)	NMT – 2.0%
Acid insoluble substances	NMT – 0.2%
Barium	NMT – 0.03%
Fluoride	NMT – 50 mg/Kg
Free alkali	NMT – 0.05%
Magnesium and alkali salts	NMT – 1.0%
Arsenic	NMT – 3 mg/Kg
Lead	NMT – 3 mg/Kg
Assay (after drying)	NLT – 98.0%

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