

5124 – CALCIUM GLUCONATE (MONO) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5124	STANDARD SPECIFICATION FOR CALCIUM GLUCONATE (MONO) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5124

PRODUCT PROPERTIES

C.A.S Number	299-28-5
Chemical Formula	$C_{12}H_{22}CaO_{14} \cdot H_2O$
Formula weight	448.39
Functional Uses	Calcium Gluconate (Mono) is used as acidity regulator, firming agent, sequestrant, nutrient supplement
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Odorless, white, crystalline granules or powder, stable in air
Solubility	Soluble in water; insoluble in ethanol
Test for calcium	Passes test
Test for gluconate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (105°C, 16 h)	NMT – 2.0%
Reducing substances (as D-glucose)	NMT – 1.0%
Lead	NMT – 2 mg/kg
Assay (on dried basis)	98.0% – 102.0%

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

