

5017 – CALCIUM PROPIONATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5017	STANDARD SPECIFICATION FOR CALCIUM PROPIONATE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: 5017

PRODUCT PROPERTIES

C.A.S Number	4075-81-4
Chemical Formula	C ₆ H ₁₀ CaO ₄
Formula weight	186.22
Functional Uses	Calcium Propionate is used as Preservative, antimould and antirope agent
Standard Packaging	25Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystals, powder or granules with not more than a faint odour of propionic acid
Solubility	Freely soluble in water, soluble in ethanol
Test for calcium	Passes test
Test for propionate	Passes test
Test for alkali salt of organic acid	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (1 in 10 soln)	7.5 - 10.5
Loss on drying (105°, 2 h)	NMT – 4.0%
Water insoluble matter	NMT – 0.3%
Fluoride	NMT – 30 mg/kg
Iron	NMT – 50 mg/kg
Lead	NMT – 5 mg/kg
Assay (on dried basis)	NLT – 98.0%

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

