

5107 – POTASSIUM PROPIONATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5107	STANDARD SPECIFICATION FOR POTASSIUM PROPIONATE (FOOD GRADE)	Rev. No: 03
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PRODUCT PROPERTIES

C.A.S Number	327-62-8
Chemical Formula	C ₃ H ₅ KO ₂
Formula weight	112.17
Functional Uses	Potassium propionate is used as Preservative, antimould and antirope agent.
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or colourless crystals.
Solubility	Freely soluble in water, soluble in ethanol.
Positive test for potassium	Passes test.
Positive test for propionate	Passes test.
Positive test for alkali salt of organic acid	Passes test.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (105°C, 2 hours)	NMT – 4.0 %
pH(1 in 10 soln)	7.5 – 10.5
Water insoluble matter	NMT – 0.1%
Iron	NMT – 30 mg/kg
Lead	NMT – 5 mg/kg
Assay (on dried basis)	NLT – 99.0%

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

