

## 5101 – POTASSIUM BENZOATE (FOOD GRADE)

REF NO: TBL/QA/SS/F/5101	STANDARD SPECIFICATION FOR POTASSIUM BENZOATE (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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### PRODUCT PROPERTIES

C.A.S Number	582-25-2
Chemical Formula	C <sub>7</sub> H <sub>5</sub> KO <sub>2</sub>
Formula weight	160.22
Functional Uses	Potassium Benzoate is used as an antimicrobial preservative
Standard Packaging	25 ltr.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.
Solubility	Freely soluble in water, soluble in ethanol.
Test for benzoate	Passes test.
Test for potassium	Passes test.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on drying (105°C, 4 hours)	NMT – 26.5%
Acidity or alkalinity	Passes test.
Readily carbonizable substances	Passes test.
Chlorinated organic compounds	NMT – 0.07% (as chlorine)
Readily oxidizable substances	Passes test.
Lead	NMT – 2 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.

