

## 5005– BENZOIC ACID (FOOD GRADE)

REF NO: TBL/QA/SS/F/5005	STANDARD SPECIFICATION FOR BENZOIC ACID (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
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### PRODUCT PROPERTIES

C.A.S Number	65-85-0
Chemical Formula	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>
Formula weight	122.12
Functional Uses	Antimicrobial preservative foods like fruit juices and fats.
Standard Packaging	25 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline solid, usually in the form of scales or needles, having not more than a faint characteristic odor.
Solubility	Slightly soluble in water, freely soluble in ethanol.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH	~4
Loss on drying	NMT – 0.5%
Sulfated ash	NMT – 0.05%
Lead	NMT – 2 mg/kg
Chlorinated organic compounds	NMT – 0.07% (as Cl <sub>2</sub> )
Melting range	121 – 123°C
Assay(ODB)	NLT – 99.5%

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

