



Product Data Sheet

Benzoic Acid (BP-99)

Description

Benzoic Acid is an aromatic carboxylic acid appearing as white crystalline flakes or powder. It is widely used as an intermediate in chemical synthesis, a preservative in food and beverages, and a raw material in the manufacture of alkyd resins, plasticizers, and other chemicals.

Typical Properties

Parameter	Specification
Chemical Formula	C ₆ H ₅ COOH
Molecular Weight	122.12 g/mol
Appearance	White to slight off white flakes
Solubility	Slightly soluble in water, Soluble in boiling water, freely soluble in ethanol, chloroform and in fatty oils
Melting Point	121°C – 124°C
Reaction of Benzoates	5% solution in 96% ethanol gives dull yellow colored precipitates with ferric chloride solution, which is soluble in ether
Assay (on Anhydrous basis)	99.0% min.
Moisture Content	0.7% max
Chlorinated Compound	22 ppm max
Sulphated Ash	0.1% max
Acid Value	455-463
Total Oxidisable Matter	Max 0.3 ml of 0.1N KMnO ₄ per gram
HSN Code	29163100
CAS Number	65-85-0
EC Number	200-618-2

Applications

- Intermediate for benzyl alcohol, benzoate plasticizers, and phenol
- Food preservative (E210) and antimicrobial agent
- Used in alkyd resins, PVC stabilizers, and perfume ingredients
- Corrosion inhibitor in antifreeze formulations

Safety & Handling

- Store in a cool, dry, and well-ventilated area away from heat and moisture.
- Avoid contact with strong oxidizing agents and bases.
- Use protective gloves, goggles, and masks during handling.
- 25 kg bags (HDPE / Kraft paper)
- Self Life : 24 months from date of manufacture if stored in recommended conditions.