

BENZOIC ACID



CAS Number: 65-85-0

Other Names: Benzoic Acid, Carboxybenzene, Benzeneformic acid,
Phenylcarboxylic acid, Benzenemethanoic acid

Formula: $C_7H_6O_2$ or C_6H_5COOH

PRODUCT INTRODUCTION

Benzoic Acid is a colorless crystalline solid with the chemical formula C_6H_5COOH . It is the simplest aromatic carboxylic acid. Benzoic acid occurs naturally in many plants and serves as an intermediate in the biosynthesis of many secondary metabolites. Salts of benzoic acid are used as food preservatives and benzoic acid is an important precursor for the industrial synthesis of many other organic substances.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Flakes
Melting point	122.4 °C
Assay (%)	99.5
Loss on Drying (%)	0.04
Color (Hazen)	16
Heavy Metal (As Pb) (PPM)	2
Chloride (As Cl) (PPM)	50
Arsenic (as As) (PPM)	2
Halogen, Halogenide (PPM)	200 PPM
Phthalic Acid	Passed
Residue on ignition (%)	0.03

APPLICATIONS

- The largest use of benzoic acid is as a chemical raw material in the production of phenol, caprolactam, glycol dibenzoates esters, and sodium and/or potassium benzoate.
- Benzoic acid is also used for preserving foods, fats, fruit juices and alkaloid solutions.
- Used as ultraviolet absorber in plastics.
- In medicine, benzoic acid is the principal component of benzoin resin, and is a constituent of Whitfield's ointment which is used for the treatment of fungal skin diseases such as tinea, ringworm, and athlete's foot.
- Manufacture of benzoates & benzoyl compounds, dyes; in calico printing; for curing tobacco; as std in volumetric and calorimetric analysis are some other uses

PACKAGING OPTIONS

Drums

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