

Benzoic Acid

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
65-85-0	200-618-2	Not assigned in stated reference	C7H6O2; 122.12 g/mol

Product Description

Benzoic acid is an aromatic carboxylic acid. The food-grade assay is at least 99.5% on the dried basis; the technical grade is at least 98%. Food-grade dried-basis assay follows the confirmed $\geq 99.5\%$ requirement. Other limits are grade-specific. This table is not a claim of full compliance with every food standard.

Specifications

Parameter	Specification
Appearance	White crystalline powder or flakes
Food: assay, dried basis	$\geq 99.5\%$
Food: melting range	121–123 °C
Food: chloride	≤ 300 ppm
Food: water	$\leq 0.5\%$
Food: heavy metals	≤ 10 ppm
Food: residue on ignition	$\leq 0.1\%$
Food: arsenic	≤ 3 ppm
Technical: assay	$\geq 98\%$
Technical: o-phthalic acid	$\leq 1\%$
Technical: ash	$\leq 0.2\%$
Technical: benzoyl chloride	$\leq 0.5\%$
Technical: melting range	121–123 °C

Applications

- Qualified preservative systems: Assess the documented food grade only in permitted formulations at the intended pH and use level.
- Chemical synthesis: Evaluate the technical grade as an aromatic-acid intermediate in a qualified process.
- Formulation qualification: Compare assay basis, impurity limits, dissolution and storage behavior before ingredient approval.

Packaging and Storage

Packaging	25 kg lined woven bags.
Storage	Keep tightly closed in a cool, dry, ventilated place. Protect against moisture and contamination; keep away from incompatible materials. Avoid strong oxidizers and bases.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration. Food-grade assay $\geq 99.5\%$ on a dried basis follows the selected food-additive reference. It does not establish compliance with every monograph impurity limit. Food use, permitted dosage and market authorization require the applicable documentation.

Company Contact

Hainan Zhongxin Chemical Co., Ltd.
Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China.
Tel: +86-21-54265599 | sales@zxchem.com.cn | www.zxchem.com

The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.