

Product Specification

Product Name: BENZOIC ACID AR

Alternate Name(s) Benzenecarboxylic acid; benzeneformic acid; benzenemethanoic acid;
Description carboxybenzene; phenylformic acid.

White scales or needle crystals; odour of benzoin or benzaldehyde; partially sublimes at 100°C.

Properties

Chemical Formula: C₆H₅COOH

Molecular Weight: 122.12

Product Code: BA020

CAS No. 65-85-0

General Information:

Soluble in alcohol, ether, acetone, chloroform, petroleum ether, carbon disulfide, carbon tetrachloride and turpentine. Incompatible with oxidising agents and alkalis. Harmful if swallowed. Combustible. See MSDS for further safety information.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH9Q

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.9% min.

Specific Properties and Impurities [Typical levels]:

Freezing point	122-123°C
Insoluble in methanol	≤ 0.005%
Chlorine compounds (as Cl)	≤ 0.005%
Halogen compounds (as Cl)	≤ 0.01%
Sulfates (as SO ₄)	≤ 0.002%
Heavy metals (as Pb)	≤ 0.0005%
Sulfur compounds (as S)	≤ 0.002%
Substances reducing permanganate	Passes test
Residue after ignition	≤ 0.005%
Iron (Fe)	≤ 0.0002%

CONFORMS TO ACS

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