

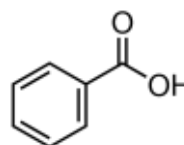
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## Product Specification

Product Name:  
Benzoic acid – ACS reagent, ≥99.5%

Product Number: 242381  
CAS Number: 65-85-0  
MDL: MFCD00002398  
Formula: C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>  
Formula Weight: 122.12 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Powder, Crystalline Powder, Flakes or Chips	
Infrared spectrum	Conforms to Structure
Purity (Titration by NaOH)	≥ 99.5 %
Residue on Ignition	≤ 0.005 %
Freezing point	122 - 123 °C
Insoluble matter	≤ 0.005 %
C= 10% Methanol	
Chlorine Compounds	≤ 0.005 %
Substances reducing (by MnO <sub>4</sub> )	Pass
Sulfur compounds	≤ 0.002 %
Heavy Metal (as Lead)	≤ 5 ppm
Meets ACS Requirements	Current ACS Specification

Specification: PRD.1.ZQ5.10000007826

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.