

## Certificate of Analysis

Product Name:

Benzoic acid - ACS reagent, ≥99.5%

Product Number:

242381

Batch Number:

MKCT0378

Brand:

SIAL

CAS Number:

65-85-0

MDL Number:

MFCD00002398

Formula:

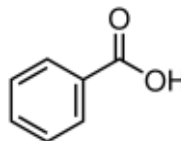
C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>

Formula Weight:

122.12 g/mol

Quality Release Date:

12 JUL 2023



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Solid or Powder or Crystals or Flakes	Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	≥ 99.5 %	100.7 %
Residue on ignition (Ash)	≤ 0.005 %	0.003 %
Freezing point	122 - 123 °C	122 °C
Insoluble Matter	≤ 0.005 %	< 0.005 %
C= 10% Methanol		
Chlorine Compounds	≤ 0.005 %	< 0.005 %
Heavy Metals	≤ 5 ppm	3 ppm
Substances reducing MnO <sub>4</sub>	Pass	Pass
Sulfur Compounds	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director

Quality Control

Milwaukee, WI US

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.

