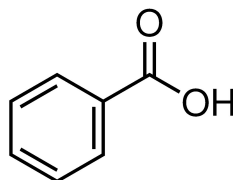
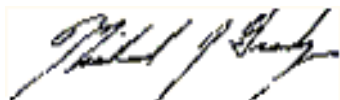


Certificate of Analysis

Product Name : Benzoic acid ACS reagent, ≥99.5%
Product Number : 242381-100G
Batch Number : 0000108156
 Source Batch : MKCL7479
 CAS Number : 65-85-0
 Molecular Formula : C₇H₆O₂
 Formula Weight : 122.12
 Quality Release Date : 27 Jan 2020



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form) Powder, Crystalline Powder, Flakes or Chips	Conforms to Requirements	Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	≥ 99.5 %	100.2 %
Residue on ignition (Ash)	≤ 0.005 %	0.002 %
Freezing point	122 - 123 °C	122 °C
Insoluble Matter C=10% Methanol	≤ 0.005 %	< 0.005 %
Chlorine Compounds	≤ 0.005 %	< 0.005 %
Heavy Metals	≤ 5 ppm	< 1 ppm
Substances reducing MnO ₄	Pass	Pass
Sulfur Compounds	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms



Michael Grady, Manager

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. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale.

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