



## Certificate of Analysis

**AEB-2004**  
**BENZOIC ACID RM**  
**LOT# 004919**

**Carbon = 68.85%**  
**Hydrogen = 4.95%**  
**Oxygen = 26.20%**

### Notes:

This Organic Analytical Standard (OAS) consists of high purity Benzoic Acid (purity 99.8%) for use as a routine working micro analytical standard. This RM has been verified by combustion calorimetry ARI 042. The above values represent the stoichiometric values of pure Benzoic Acid. Metrological traceability is to the SI derived unit of mass fraction expressed as percent. Refer to your instrument manufacturer's recommendations and/or test method for uncertainty capabilities, and minimum or typical analysis size.

This bottle contains 1g to be used per your test method. This is a reference material and is verified by its purity and empirical stoichiometry in accordance with recommendations of the Analytical Chemistry Section of the International Union of Pure and Applied Chemistry. The material used in production of this standard was identified in accordance with ARI 032. The bottling of this reference material was performed in accordance with ARI 216 and ARI 312. Keep sealed and store under normal laboratory conditions. While unable to determine a definite shelf life this RM should be reviewed 10 years from the date of certification. Once opened this certificate is valid for two years only.

Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Alpha Resources be liable for incidental or consequential damages. For good laboratory practice, it is recommended that all standards be verified as fit for purpose prior to use.

This Reference Material has been processed under a Quality Management System that holds an ISO 17034 accreditation refer to scope AR-1920. Produced in accordance to ISO Guide 31 and ISO 17034.

Certified September 30, 2019

Chief Chemist