



## Product Information Certificate

**AR1034, AR1034-100**  
**CALCIUM CARBONATE RM**  
**LOT# 22040027**

**Carbon = 12.00% +/- 0.02 (by purity)**  
**Assay: 99.8% (dried basis)**

### Notes:

This Organic Analytical Standard (OAS) consists of high purity calcium carbonate for use in the testing of Carbon by induction or resistance furnace combustion under Oxygen utilizing IR detection. Refer to your instrument manufacturer's recommendations and/or test method for analytical sample size and method uncertainty capabilities. Metrological traceability is to the SI derived unit of mass fraction expressed as percent.

This bottle contains 50g (AR1034) or 100g (AR1034-100) to be used per your test method. This is a reference material (RM) 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. Keep sealed and store under normal laboratory conditions. The above values represent the stoichiometric values of high purity Calcium Carbonate.

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 LLC be liable for incidental or consequential damages. While unable to determine an absolute shelf life this RM should be reverified 10 years from the certification date. Keep sealed and store under normal laboratory conditions.

**THIS RM IS VALID FOR TWO YEARS FROM THE DATE OF OPENING**

**Certified February 16, 2023**  
**Kent Dyer**  
**Chief Chemist**