

# Alpha Resources, Inc. Certificate Of Analysis

AR-1034

CALCIUM CARBONATE STANDARD

LOT# P890734

DRIED BASIS VALUE

WEIGHT PERCENT CARBON = 12.00  
STANDARD DEVIATION = 0.02

Method: Combustion / IR Detection

Notes:

If bottle is left open for an extended period of time it is recommended that the standard be dried for one hour at 110 degrees Celsius for optimum results.

Normal ASTM procedures should be employed when using this standard. This includes using the reproducibility and repeatability factors. Use the reproducibility factor when establishing the first set of data, and then establish an internal repeatability factor as your guideline.

The material used in production of this standard was sampled in accordance with ARI 031. The above values relate only to the material used to produce this standard.

The overall direction and coordination of the analytical measurements leading to certification was performed by J.R. Shingledecker at Alpha Resources.

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.

This is a Certified Reference Material (CRM). For good laboratory practice it is recommended that all standards be verified prior to use.

**EXPIRATION DATE**  
**THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF PURCHASE WHICH**  
**APPEARS ON THE BOTTLE**

*J.R. Shingledecker*

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