

# Alpha Resources, Inc. Certificate Of Analysis

AR4027

## NITROGEN IN SOIL STANDARD

LOT # 082699

**% NITROGEN**

**MEAN = 1.64%**

**ONE SIGMA = +/- 0.13%**

**TWO SIGMA = +/- 0.26%**

**RANGE = 1.38% - 1.90%**

Standards Employed:

Acetanilide

Atropine

Methionine

NIST 1573a

### METHOD OF ANALYSIS

This standard was analyzed by various instrumentation, utilizing the inert gas combustion with thermal conductivity detection techniques.

### Notes:

At the time of certification there were no known primary certified reference materials of this matrix available. Organic Analytic Standards were used for calibration with one lab reporting NIST 1573a as a quality control check sample.

The precision values represent the standard deviation, two times the standard deviation, and complete range of analytical data obtained. When necessary, professional judgment is applied toward consideration of data and statistical information.

The statistical analysis and the overall direction and coordination of the analytical measurements leading to certification were performed by K.E. Dyer 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), and is traceable to the above-mentioned standard. For good laboratory practice it is recommended that all standards be verified prior to use.

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