

# Alpha Resources, Inc.

## Certificate Of Analysis

**4-Nitroaniline, OAS**

**AEB-2015**  
**Lot Number A17Q36**

**Carbon = 52.17 %**  
**Hydrogen = 4.38 %**  
**Nitrogen = 20.28 %**  
**Oxygen = 23.17 %**

This Organic Analytical Standard (OAS) consists of purified 4-Nitroaniline for use as a routine working micro-analytical standard for the determination of Carbon, Hydrogen, Nitrogen and Oxygen.

### **Carbon, Hydrogen and Nitrogen**

The values for Carbon and Hydrogen were checked using a commercial Carbon, Hydrogen and Nitrogen analyzer against Acetanilide Standard Reference Material 141c, from NIST.

The value for Nitrogen was referenced to Urea Standard Reference Material 21412 from NIST.

### **Oxygen**

The value for Oxygen was checked using a commercial Oxygen analyzer against Chlorobenzoic Acid available from NIST.

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 should be verified, prior to use, against a primary Standard Reference Material (SRM) provided by a governing agency such as NIST, when available.

*J.R. Shingledecker*

Prepared by J.R. Shingledecker  
Director of Quality Assurance