## Alpha Resources, Inc. Certificate Of Analysis

OXYGEN & NITROGEN PIN STANDARD

AR 661 LOT AA897

 PPM OXYGEN
 PPM NITROGEN

 MEAN = 11 PPM
 MEAN = 304 PPM

 ONE SIGMA = 3 PPM
 ONE SIGMA = 15 PPM

 TWO SIGMA = 6 PPM
 TWO SIGMA = 30 PPM

 RANGE = 6 - 16 PPM
 RANGE = 278 - 319 PPM

METHOD OF ANALYSIS IS ASTM E 1019(LATEST REVISION) (INERT GAS FUSION)

## NOTES:

The mean value reported is derived by a number of data sets utilizing ASTM approved instrumentation.

The precision values represent the standard deviation, two times the standard deviation, and complete range of analysis.

The statistical analysis of the certification was performed by K.E. Dyer at Alpha Resources.

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 should be verified, prior to use, against a primary standard material provided by a governing agency such as N.I.S.T, when available.

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