

Alpha Resources, Inc.

Certificate Of Analysis

AR 645

OXYGEN & NITROGEN PIN STANDARD

LOT # CC224

PPM OXYGEN
MEAN = 32
ONE SIGMA = 4
TWO SIGMA = 8
RANGE = 24 - 40

PPM NITROGEN
MEAN = 48
ONE SIGMA = 3
TWO SIGMA = 6
RANGE = 42 - 54

Method of analysis
ASTM E 1019
(Latest Revision)

The mean values reported are derived from a number of data sets utilizing ASTM approved instruments.

The precision value is based on the standard deviation, two times the standard deviation, and complete range of analyses.

The following Primary Standards were used for calibration.

NIST	368, 1095, 1098, 12h
JSS	GS-1D, GS-5C
German	02a

Notes:

The statistical analysis, 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 standards. For good laboratory practice it is recommended that all standards be verified prior to use.

Certified June, 2000

