

Alpha Resources, Inc. Certificate Of Analysis

AR 659

OXYGEN & NITROGEN PIN STANDARD

LOT # 101901

PPM OXYGEN
MEAN = 158
ONE SIGMA = 5
TWO SIGMA = 10
RANGE = 148 - 168

PPM NITROGEN
MEAN = 72
ONE SIGMA = 3
TWO SIGMA = 6
RANGE = 66 - 78

Method of analysis is ASTM E 1019
(Latest revision)

The following Primary Standards were used for calibration:

NIST	SRM 368
BAM	035-1
NCS	NS 20013, 20017
JSS	GS-5c

Notes:

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

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

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 was 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 October, 2001

