

Alpha Resources, Inc. Certificate Of Analysis

AR 654

OXYGEN & NITROGEN PIN STANDARD

LOT # 316L0202

PPM OXYGEN
MEAN = 71
ONE SIGMA = 7
TWO SIGMA = 14
RANGE = 57 - 85

PPM NITROGEN
MEAN = 327
ONE SIGMA = 7
TWO SIGMA = 14
RANGE = 313 - 341

Method of analysis is ASTM E 1019
(Latest revision)

The following Primary Standards were used for calibration:

NIST	SRM 73c, 1099
BAM	227-1
NCS	NS 20015
JSS	GS-5c, GS-1d

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

Certified August, 2002

