

Alpha Resources, Inc. Certificate Of Analysis

AR 656 THIS LOT WAS USED UP ????????????

OXYGEN & NITROGEN PIN STANDARD

LOT # C94298

PPM OXYGEN
MEAN = 163
ONE SIGMA = 8
TWO SIGMA = 16
RANGE = 148 - 179

PPM NITROGEN
MEAN = 194
ONE SIGMA = 5
TWO SIGMA = 10
RANGE = 184 - 204

Method of analysis is ASTM E 1019
(Latest revision)

The following Primary Standards were used for calibration:

NIST	153, 368
German	02a
Japanese	JSS GS-1C

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

Certified February, 1998



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