

AR-1655

OXYGEN & NITROGEN PIN STANDARD

LOT # 182510

PPM OXYGEN
MEAN = 276
ONE SIGMA = 12
TWO SIGMA = 24
RANGE = 252 - 300

PPM NITROGEN
MEAN = 652
ONE SIGMA = 16
TWO SIGMA = 32
RANGE = 620 - 684

Method of Analysis is inert gas fusion
ASTM E 1019
(Latest revision)

Notes:

The mean value reported is from a number of data sets acquired over different days by different analysts utilizing ASTM E 1019 approved instruments.

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

Standard Reference Materials employed were:

NIST SRM	1091A, 1090, 343a
NCS CRM	20017, 20018

The statistical analysis of this 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.

Certified June, 2001

