AR 648

TITANIUM STANDARD

LOT # A97598

PPM OXYGEN
MEAN = 1711
ONE SIGMA = 66
TWO SIGMA = 132
RANGE = 1602 – 1827

PPM NITROGEN
MEAN = 57
ONE SIGMA = 12
TWO SIGMA = 24
RANGE = 33 – 79

PPM HYDROGEN
MEAN = 107
ONE SIGMA = 5
TWO SIGMA = 10
RANGE = 99 - 116

The certified values were determined by inert gas fusion techniques only. The instruments used were:
LECO TC-136 LECO TC-436 LECO RH-404

The mean values reported are derived from a number of data sets using the instruments listed above.

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	SRM 352c, 173b
China	SRM NC57001, NC57002, NC57003, NC57004
Belgium	BCR SRM 276, 318

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 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 May, 1998