

Alpha Resources, Inc.

Certificate Of Analysis

OXYGEN & NITROGEN PIN STANDARD
MATRIX: STEEL
AR 1647
LOT 647692
PPM OXYGEN = 86 +/- 6
PPM NITROGEN = 1102 +/- 18

ROUND ROBIN RESULTS

LAB	PPM OXYGEN	PPM NITROGEN	METHOD
1	83	1120	1
2	86	1102	1
3	92	1084	1
4	89	1111	1
5	80	1093	1

METHOD 1 IS ASTM E 1019-88
(CARBOFUSION)

One or more of the following standard reference materials were employed in calibration.

NIST SRM 367, 73c, 50c AND 153a
SKF SRM 50-1,200S-1,201S-1 AND 301S-1

NOTES:

The statistical analysis of the certification was performed by D. M. Reasons at Alpha Resources.

The overall direction and coordination of the analytical measurements leading to certification were performed by D.M. Reasons at Alpha Resources.

This is a secondary standard reference material, and should be verified against a primary standard such as NIST when possible.

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.