

Alpha Resources, Inc.

Certificate Of Analysis

IRON STANDARD

AR 302

LOT 32

% Carbon = 3.30 .03
% Sulfur = .035 .001

ROUND ROBIN SUMMARY

| Lab Number | % Carbon | % Sulfur | Method |
|------------|----------|----------|--------|
| 1 | 3.31 | .034 | 1 |
| 2 | 3.30 | .035 | 1 |
| 3 | 3.27 | .036 | 1 |
| 4 | 3.33 | .035 | 1 |
| 5 | 3.29 | .035 | 1 |

Method 1 is Combustion/ IR Detection ASTM E 1019

NIST Standards Employed were SRM 122h, 4k, 338 and 892

Notes:

The statistical analysis of this certification was performed by J.V. Likins at Alpha Resources

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

Date of Certification July 1984

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