

Alpha Resources, Inc.

Certificate Of Analysis

CARBON and SULFUR STEEL PIN STANDARD

AR 510
LOT 1092f

% CARBON = 2.50 .03
% SULFUR = 0.073 .002

ROUND ROBIN SUMMARY

LAB	% CARBON	% SULFUR	METHOD
1	2.51	.075	1
2	2.53	.073	1
3	2.48	.071	1
4	2.49	.072	1
5	2.47	.074	1

METHOD 1 IS COMBUSTION/ IR DETECTION
ASTM E 1019 SECTIONS 9 THROUGH 19

NIST STANDARDS EMPLOYED:

SRM 3d
SRM 51
SRM 122h

NOTES

The statistical analyses of this certificate 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.