

AR 947
CARBON STEEL CHIP STANDARD
LOT # 22900

% CARBON
MEAN = 0.389
ONE SIGMA = 0.008
TWO SIGMA = 0.016
RANGE = 0.373 – 0.405

% SULFUR
MEAN = 0.094
ONE SIGMA = 0.003
TWO SIGMA = 0.006
RANGE = 0.088 – 0.100

PPM NITROGEN
MEAN = 121
ONE SIGMA = 5
TWO SIGMA = 10
RANGE = 111 - 131

Method of Analysis is ASTM E 1019
(Latest Revision)
Carbon & Sulfur is combustion / IR detection
Nitrogen is inert gas fusion / TC cell detection

The certified mean values were derived by a number of data sets provided by ASTM approved instruments.

The precision values represent the standard deviation, two times the standard deviation, and complete range of analyses.

Standards Employed were:

NIST	SRM	367, 50c, 8j, 12h, 11h, 73c
German	BAM	035-1, 086-1, 079-1
Japan	JSS	602-9, 150-14, GS-5C
UK	BCS	306/1

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 secondary standard reference material, 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, 2000

