Alpha Resources, Inc. Certificate Of Analysis

AR 960

CARBON STEEL CHIP STANDARD LOT # 41026499	
% CARBON MEAN = 0.105 ONE SIGMA = 0.002 TWO SIGMA = 0.004	% SULFUR MEAN = 0.0006 ONE SIGMA = 0.0001 TWO SIGMA = 0.0002
RANGE = 0.101 – 0.109	RANGE = $0.0003 - 0.0009$
PPM NITROGEN MEAN= 403 PPM ONE SIGMA= 7 PPM TWO SIGMA= 14 PPM RANGE= 392 – 414 PPM	
Method of Analysis is ASTM E 1019-94	
	tandards Employed:
NIST	73c, 121d, 160b, 343a, 367
BAM	227-1, 228-1, 284-1
RESOUR	244-5 Notes:

The mean analytical values were derived by a number of data sets utilizing various ASTM approved instruments.

The precision values represent the standard deviation, two times the standard deviation, and complete range of analysis. When necessary, professional judgment is applied toward consideration of data and statistical information.

The statistical analysis and the 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 is traceable to the above-mentioned standards. For good laboratory practice it is recommended that all standards be verified prior to use.

Certified October, 1999

Kent Der

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