

# Alpha Resources, Inc. Certificate Of Analysis

AR 961

STAINLESS STEEL CHIP STANDARD

LOT # 308

% CARBON = 0.0194 +/- 0.0008

% SULFUR = 0.0161 +/- 0.0010

% NITROGEN = 0.0499 +/- 0.0006

### Round Robin Results

Lab	% Carbon	% Sulfur	% Nitrogen
1	0.0198	0.0167	0.0499
2	0.0191	0.0155	0.0503
3	0.0204	0.0157	0.0505
4	0.0184	0.0161	0.0495
5	0.0194	0.0165	0.0499

### Methods

ASTM E 1019

Carbon & Sulfur combustion IR detection

Nitrogen Inert Gas Fusion TC Detection

Standards employed:

NIST SRM 101f and 160b

### Notes:

The statistical analysis and overall coordination leading to certification was performed by D.M. Reasons at Alpha Resources.

This standard was revised in 1991 for carbon content.

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.



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Page 1 Of 1