

Alpha Resources, Inc.

Certificate Of Analysis

AR-732
PROXIMATE METALLURGICAL COKE STANDARD

LOT # 732514 LID # 723110

DRIED BASIS VALUE

MEAN WEIGHT % SULFUR = 0.47
EXPANDED UNCERTAINTY = +/- 0.03

MEAN WEIGHT % ASH = 6.57
EXPANDED UNCERTAINTY = +/- 0.38

MEAN WEIGHT % VOL. MATTER = 1.15
EXPANDED UNCERTAINTY = +/- 0.43

BTU = 13242
EXPANDED UNCERTAINTY = +/-275

FIXED CARBON (calculated) = 92.28

Methods Employed:

SULFUR	ASTM	D 4239
ASH	ASTM	D 3174, D7582
VOL. MATTER	ASTM	D 3175, D7582
BTU	ASTM	D 5865

Notes:

The material used in production of this standard was sampled in accordance with ARI 031. The uncertainty values represent the expanded uncertainty ($k=2$, 95%) obtained through analytical testing, and may not represent your testing abilities. Normal ASTM procedures should be employed when using this standard; this includes using the *reproducibility* and *repeatability* factors for establishing method derived expanded analytical uncertainty if needed. 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.

The samples for round robin testing were selected in accordance with ARI 014. The above values relate only to the material used to produce this standard. The analytical samples are recommended to be dried per the test method. Keep tightly sealed and store in a cool dry place. Values are valid for 15 years from the date of certification.

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). For good laboratory practice it is recommended that all standards be verified prior to use.

CERTIFIED June 2, 2014
Updated: 2025/02/11

