

Alpha Resources, Inc. Certificate Of Analysis

AR-747

GREEN PETROLEUM COKE STANDARD

LOT # TEX296

LID ID TEX296

ALL ANALYSIS REPORTED ON A DRIED BASIS VALUE

MEAN WEIGHT PERCENT SULFUR.....	3.67	MEAN WEIGHT PERCENT NITROGEN.....	1.11
STANDARD DEVIATION.....	0.14	STANDARD DEVIATION.....	0.11
MEAN WEIGHT PERCENT ASH.....	0.28	PARTS PER MILLION NICKEL.....	222
STANDARD DEVIATION.....	0.05	STANDARD DEVIATION.....	20
MEAN WEIGHT PERCENT VOL. MAT.....	13.06	PARTS PER MILLION IRON.....	271
STANDARD DEVIATION.....	0.41	STANDARD DEVIATION.....	26
BTU/POUND.....	15472	PARTS PER MILLION VANADIUM.....	711
STANDARD DEVIATION.....	30	STANDARD DEVIATION.....	36
MEAN WEIGHT PERCENT CARBON.....	90.08	PARTS PER MILLION CALCIUM.....	66
STANDARD DEVIATION.....	0.18	STANDARD DEVIATION.....	10
MEAN WEIGHT PERCENT HYDROGEN....	4.56	PARTS PER MILLION SILICON.....	67
STANDARD DEVIATION.....	0.06	STANDARD DEVIATION.....	10

Methods:

ASTM D 4239 Method C

ASTM D 3174-89

ASTM D 4421

ASTM D 5373

ASTM D 5056

Notes:

The certified mean values were statistically derived from the values reported to Alpha Resources through Round Robin.

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

EXPIRATION DATE
THIS CRM IS VALID FOR TWO YEARS FROM THE DATE OF PURCHASE WHICH
APPEARS ON THE BOTTLE



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