

Alpha Resources, Inc. Certificate Of Analysis

AR 745

GREEN PETROLEUM COKE STANDARD

LOT # 745BL LID ID 745800

ALL ANALYSIS REPORTED ON A DRIED BASIS VALUE

MEAN WEIGHT PERCENT SULFUR.....	0.49	MEAN WEIGHT PERCENT NITROGEN.....	0.67
STANDARD DEVIATION.....	0.06	STANDARD DEVIATION.....	0.04
MEAN WEIGHT PERCENT ASH.....	0.11	PARTS PER MILLION NICKEL.....	49.4
STANDARD DEVIATION.....	0.04	STANDARD DEVIATION.....	4.9
MEAN WEIGHT PERCENT VOL. MAT.....	5.81	PARTS PER MILLION IRON.....	148.28
STANDARD DEVIATION.....	0.36	STANDARD DEVIATION.....	15.8
MEAN WEIGHT PERCENT FIXED CARBON.....	94.07	PARTS PER MILLION VANADIUM.....	13.4
STANDARD DEVIATION.....	0.87	STANDARD DEVIATION.....	3.6
BTU.....	15,001	PARTS PER MILLION CALCIUM.....	30.5
STANDARD DEVIATION.....	65	STANDARD DEVIATION.....	6.4
MEAN WEIGHT PERCENT CARBON.....	95.28	PARTS PER MILLION SILICONE.....	65.5
STANDARD DEVIATION.....	0.65	STANDARD DEVIATION.....	12.4
MEAN WEIGHT PERCENT HYDROGEN.....	1.83		
STANDARD DEVIATION.....	0.32		

Methods:
ASTM D 4239 Method C
ASTM D 3174-89
ASTM D 4421
ASTM D 5373
ASTM D 5056

Notes:

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

