

Obsolete Certificate: for informational purposes only

PC-1 to PC-3

Petroleum Coke Reference Materials

Three petroleum cokes have been characterized for four parameters based on ASTM D2 Petroleum Products standard test methods. These include: moisture, ash content, sulphur and calorific value. These reference materials were produced by the Energy Research Laboratories (ERL) of CANMET under the auspices of an industrial quality assurance, interlaboratory sample exchange program entitled:

CANSPECS - PC: CANMET's Service Program for the Evaluation of Codes and Standards for Petroleum Cokes.

Certified Values and 95% Confidence Intervals*

	PC-1	PC-2	PC-3
Ash Content (% dry basis)	6.63 ± 0.11	2.57 ± 0.03	1.13 ± 0.03
Total Sulphur (% dry basis)	6.96 ± 0.27	6.04 ± 0.11	2.73 ± 0.10
Calorific Value (dry basis)			
BTU per lb	12,940 ± 50	14,737 ± 37	15,400 ± 51
MJ per kg	30.08 ± 0.11	34.23 ± 0.09	35.80 ± 0.12

**Mean of 32 to 60 accepted results from 8 to 15 independent sets. The uncertainty estimate is the 95% confidence interval estimate for the mean.*

Informational Values

	PC-1	PC-2	PC-3
Moisture (%)	< 2	< 2	< 2

These reference control samples are available individually in the form of minus 60 mesh material in 75-gram bottles.

A copy of Energy Research Laboratories report ERL 90-58(TR) accompanies each sample ordered.

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