

CERTIFICATE OF ANALYSIS

ACIRS-G5-2013

250 g at a nominal top size of -212 μ m

A General Coal Reference Material prepared from higher rank bituminous coal for the validation of analyses on similar coals.

	Certified Values	Standard Deviation	Uncertainty
Ash, % d	10.68	0.090	0.014
Volatile Matter, % d	20.03	0.154	0.025
Total Sulfur, % d	0.568	0.023	0.004
Chlorine, % d	0.046	0.007	0.001
Phosphorus, % d	0.0196	0.0014	0.0006
Relative Density, d	1.381	0.0098	0.0021
Gross Calorific Value, MJ/kg d	32.186	0.0940	0.0148
Carbonate Carbon, % d	0.036	0.004	0.002
	Indicative Values	Standard Deviation	Uncertainty
Total Carbon, % d	79.19	0.410	0.110
Hydrogen, % d	4.34	0.099	0.027
Nitrogen, % d	1.77	0.067	0.020

- *Certified values are the best estimate of the true value for the measurand.*
- *The uncertainty of this value is indicated by the associated standard uncertainty.*
- *The standard deviation is used to derive the likely range of results - the value for a measurand from a randomly chosen laboratory would be expected to lie within 2 standard deviations of the certified value with 95% probability.*

This reference coal should be thoroughly mixed by end-over-end rotation before sub-sampling. To minimise the risk of compositional changes due to oxidation store in a cool, dark place in original containers with the lid tightly sealed.

Date of Certification: October, 2013
Valid to: October, 2015
Approved by: Mark Bennetts

The full technical report and SDS for this product are available at
www.acps.com.au/acirs/

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