



National Association of Testing Authorities, Australia SCOPE OF ACCREDITATION

ACIRL Quality Testing Services Pty Ltd trading as ACTest ACTEST GLADSTONE COAL TESTING LABORATORY | Accreditation Number: 15784 | Site Number: 13129 |

Address Details:

46 Callemondah Drive
GLADSTONE, QLD 4680
AUSTRALIA

Website: www.alsglobal.com

Contact Details:

Mr R Price
+61(07) 49715600
ross.price@alsglobal.com

Availability: Services conditionally available to external clients

Note: Not all of the columns of the scope of accreditation displayed include data.

The only data displayed is that deemed relevant and necessary for the clear description of the activities and services covered by the scope of accreditation.

Grey text appearing in a SoA is additional freetext providing further refinement or information on the data in the preceding line entry.

ISO/IEC 17025 (2017) Environment

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Sample collection	Atmospheric dust fall	Not applicable	Filter paper	AS 3580 10.1	

ISO/IEC 17025 (2017) Materials

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Analysis of coals, coke, charcoal and related products	Coal	Chlorine; Phosphorus;	X-ray fluorescence (XRF)	in house method CBM-L020C	
			Pressed powder		
		Dilatation	Classical	AS 1038.12.3 (2002) BS 1016.107.3 ISO 23873	
		Hardgrove grindability index	Classical	AS 1038.20 ASTM D409	

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				BS 1016.112 ISO 5074	
		Relative density (specific gravity)	Density bottle	AS 1038.21.1.1 AS 1038.21.1.2	
		Moisture	Gravimetric	AS 1038.3 (2000) ASTM D3173 BS ISO 11722 ISO 11722	
		Moisture - Total	Gravimetric	AS 1038.1 (2001) ASTM 3302 BS 1016.1 ISO 589	
		Chlorine	Eschka method	AS 1038.8.1 ASTM D2361 (2002) ISO 587 BS 1016.106.6.1	
		Ash fusibility	Classical	AS 1038.15 (1995) ASTM D1857 BS ISO 540 ISO 540	
		Ash	Gravimetric	AS 1038.3 (2000) ASTM D3174 BS ISO 1171 ISO 1171	
		Crucible swelling number; Free swelling index;	Classical	AS 1038.12.1 (2002) ASTM D720 ISO 501 BS ISO 501	
		Volatile matter	Gravimetric	AS 1038.3 (2000) ASTM D3175 BS ISO 562 ISO 562	
		Plasticity	Gieseler plastometer	AS 1038.12.4.1 (1996) ASTM D2639 ISO 10329	
		Carbon; Hydrogen; Nitrogen;	Infrared (IR)	AS 1038.6.4 ASTM D5373 BS ISO 29541 ISO 29541	
		Size analysis	Sieve analysis	AS 3881 (2002)	



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				ASTM D4749 BS 1016.109 ISO 1953	
		Relative degree of oxidation	UV-vis spectrophotometry	ASTM D5263	
		Phosphorus	UV-vis spectrophotometry	AS 1038.9.2	
		Fluorine	Ion selective electrode (ISE)	AS 1038.10.4 ISO 11724	
		Gross calorific value	Bomb calorimeter	AS 1038.5 (1998) ASTM D5865 ISO 1928 BS ISO 1928	
		Total magnetic content	Gravimetric	AS 4156.3 part 7	
		Dilatation	Audibert-Arnu dilatometer	ISO 349	
		Float and sink analysis	Not applicable	AS 4156.1 ISO 7936	
		Caking power	Gray King coke test	AS 1038.12.2 BS 1016.107.2 ISO 502	
		Froth flotation - Basic; Froth flotation - Sequential;	Not applicable	AS 4156.2.1 AS 4156.2.2	
	Coal; Coke;	Sulfur - Total	Infrared (IR)	AS 1038.6.3.3 BS ISO 19579 ISO 19579 ASTM D4239	
		Fixed carbon	Classical	AS 1038.3 (2000) BS ISO 17246 ISO 17246	
		Aluminium; Barium; Calcium; Iron; Magnesium; Manganese; Phosphorus; Potassium; Silicon; Sodium; Strontium; Sulfur; Titanium; Zinc;	X-ray fluorescence (XRF)	AS 1038.14.3 ASTM D4326 ISO/TS 13605	

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Sample collection	Ores and minerals	Precision of sampling, sample preparation and testing		AS 2884.1 AS 2884.2 AS 2884.3	
	Ores and minerals	Precision of sampling, sample preparation and testing		AS 4296.2	
	Manganese ores				
	Ores and minerals	Precision of sampling, sample preparation and testing		AS4538.1	
	Alumina				
	Ores and minerals	Precision of sampling, sample preparation and testing		AS2806.1 AS2806.3 AS2806.4	
	Aluminium				
	Coals, coke, charcoal and related products	Precision of sampling, sample preparation and testing	Mechanical sampling; Sampling from moving streams; Sampling from stationary lots;	AS 4264.1 AS 4264.4 AS 4264.5 ASTM D2013 ASTM D2234 ISO 13909.1 ISO 13909.2 ISO 13909.3 ISO 13909.4 ISO 13909.7 ISO 13909.8 ISO 21398 BS ISO 13909.1 BS ISO 13909.2 BS ISO 13909.3 BS ISO 13909.4	
		Precision of sampling, sample preparation and testing		AS 4433.1 AS 4433.2 AS 4433.5	

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