



## National Association of Testing Authorities, Australia SCOPE OF ACCREDITATION

### ACIRL Quality Testing Services Pty Ltd trading as ACTest

#### ACIRL LITHGOW COAL & ENVIRONMENTAL TESTING LABORATORY

| Accreditation Number: 15784 | Site Number: 11436 |

#### Address Details:

Unit 2, 16 Donald Street  
LITHGOW, NSW 2790  
AUSTRALIA

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**Availability:** Services 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 (2005) Environment

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Analysis for physical and chemical characteristics	Air - Ambient	Ash; Combustible matter; Deposited matter; Solids - Total;	Gravimetric	AS 3580.10.1	
	Industrial waters - Treated; Irrigation and stock waters; Sewage; Trade wastes;	Solids - Total dissolved (TDS)	Gravimetric	APHA 2540 C	
		Turbidity - In-situ	Nephelometry	APHA 2130 B	
		Solids - Suspended	Gravimetric	APHA 2540 D	
		pH; pH - In-situ;	Electrometric	APHA 4500 H <sup>+</sup> B	
		Dissolved	Membrane	APHA 4500 O G	

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		oxygen (DO) - In-situ	electrode		
		Conductivity; Conductivity - In-situ;	Electrometric	APHA 2510 B	
Sample collection	Ground waters; Industrial waters - Treated, recirculating; Irrigation and stock waters; Sewage; Trade wastes; Waste waters;	Not applicable	Composite; Grab;	AS 5667.1 AS 5667.4 AS 5667.6 AS 5667.10 AS 5667.11	Sampling of rivers and streams
	rivers and streams				
	Atmospheric dust fall	Not applicable	Deposit gauge	AS 3580.10.1	

### ISO/IEC 17025 (2005) Food and Beverage

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Analysis of physical and nutritional characteristics	Waters for potable and domestic purposes	Solids - Total dissolved (TDS)	Gravimetric	APHA 2540 C	
		Dissolved oxygen (DO) - In-situ	Electrometric	APHA 4500 O G	
		Conductivity; Conductivity - In-situ;	Electrometric	APHA 2510 B	
		Turbidity - In-situ	Nephelometry	APHA 2130 B	
		Solids - Suspended	Gravimetric	APHA 2540 D	
		pH; pH - In-situ;	Electrometric	APHA 4500 H <sup>+</sup> B	
Sample collection	Potable waters	Not applicable		AS 5667.1 AS 5667.4 AS 5667.10 AS 5667.11	



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### ISO/IEC 17025 (2005) Materials

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Analysis of coals, coke, charcoal and related products	Fly ash	Moisture	Gravimetric	AS 3583.2	
		Loss on ignition	Gravimetric	AS 3583.3	
	Coal	Moisture - Total	Gravimetric	AS 1038.1 (2001) ISO 589	
		Size analysis	Sieve analysis	AS 3881 (2002) ISO 1953	
	Coal; Coke;	Fixed carbon	Gravimetric	AS 1038.3 (2000) ISO 17246	
		Gross calorific value	Bomb calorimeter	AS 1038.5 (1998) ISO 1928	
		Sulfur - Total	Infrared (IR)	AS 1038.6.3.3 ISO 19579	
		Relative density (specific gravity)	Density bottle	AS1038.21.1.1	
		Volatile matter	Gravimetric	AS 1038.3 (2000) ISO 562	
		Ash	Gravimetric	AS 1038.3 (2000) ISO 1171	
	Moisture	Gravimetric	AS 1038.3 (2000) ISO 11722		
Sample collection	Coals, coke, charcoal and related products	Not applicable		AS 4264.1 AS 2617 ISO 13909.1 ISO 13909.3 ISO 13909.4	

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