



National Association of Testing Authorities, Australia

SCOPE OF ACCREDITATION

Australian Laboratory Services Pty Ltd

ALS GEOCHEMISTRY - PERTH, MALAGA

| Accreditation Number: 825 | Site Number: 23001 |

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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 (2017)

Materials

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATION/RANGE
Analysis of ores and minerals	Nickel ores	Aluminium oxide; Arsenic; Barium oxide; Cadmium oxide; Calcium oxide; Chloride; Chromium oxide; Cobalt; Cobalt oxide; Columbite; Copper; Copper oxide; Gallium; Gallium oxide; Iron oxide; Lead; Lead oxide; Magnesium oxide; Manganese oxide; Nickel; Nickel oxide; Phosphorus pentoxide; Potassium oxide; Scandium; Silicon dioxide; Sodium oxide;	X-ray fluorescence (XRF)	In-house ME-XRF12n/u	

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		Strontium oxide; Sulfur trioxide (sulfuric anhydride); Titanium oxide; Vanadium pentoxide; Zinc; Zinc oxide; Zirconium dioxide;			
	Copper ores; Lead ores; Nickel ores; Zinc ores;	Copper; Lead; Nickel; Zinc;	ICP-AES	in-house methods ME- OG46 and ME-OG62	
	Metallurgical samples	Copper; Lead; Nickel; Zinc;	ICP-AES	in-house methods ME- OG46; ME-OG62	
	Precious metal ores	Gold	ICP-AES	in-house methods Au- ICP21; Au-ICP22; Au- ICP25; Au-ICP26	
		Silver	ICP-AES	in-house methods ME- OG46; ME-OG62	
		Gold	ICP-MS	in-house methods Au- OG43; Au-OG44; Au- ST43; Au-ST44; Au- TL43; Au-TL44	
		Gold	Atomic absorption spectroscopy (AAS)	in-house methods Au- AA25; Au-AA26	
	Aluminium ores	Aluminium oxide; Arsenic; Arsenic trioxide; Barium oxide; Calcium oxide; Chromium oxide; Cobalt; Cobalt oxide; Copper; Copper oxide; Gallium; Gallium oxide; Iron oxide; Lead; Lead oxide; Magnesium oxide; Manganese oxide; Nickel; Nickel oxide; Phosphorus pentoxide; Potassium oxide; Silicon dioxide; Sodium oxide; Strontium oxide; Sulfur	X-ray fluorescence (XRF)	In-house ME-XRF13n/u	



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		trioxide (sulfuric anhydride); Titanium dioxide; Vanadium pentoxide; Zinc; Zinc oxide; Zirconium oxide;			
	Geochemical samples for trace elements	Aluminium; Antimony; Arsenic; Barium; Beryllium; Bismuth; Boron; Cadmium; Caesium; Calcium; Cerium; Chromium; Cobalt; Copper; Gallium; Germanium; Hafnium; Indium; Iron; Lanthanum; Lead; Lithium; Magnesium; Manganese; Mercury; Molybdenum; Nickel; Niobium; Phosphorus; Potassium; Rhenium; Rubidium; Scandium; Selenium; Silver; Sodium; Strontium; Sulfur; Tantalum; Tellurium; Thallium; Thorium; Tin; Titanium; Tungsten; Uranium; Vanadium; Yttrium; Zinc; Zirconium;	ICP-AES	in-house methods ME-ICP41; ME-ICP61; ME-OG46; ME-OG62	
		Aluminium; Antimony; Arsenic; Barium; Beryllium; Bismuth; Boron; Cadmium; Caesium; Calcium; Cerium;	ICP-MS	in-house methods ME-MS41; ME-MS42; ME-MS61; ME-MS62	



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		Chromium; Cobalt; Copper; Gallium; Germanium; Hafnium; Indium; Iron; Lanthanum; Lead; Lithium; Magnesium; Manganese; Mercury; Molybdenum; Nickel; Niobium; Phosphorus; Potassium; Rhenium; Rubidium; Scandium; Selenium; Silver; Sodium; Strontium; Sulfur; Tantalum; Tellurium; Thallium; Thorium; Tin; Titanium; Tungsten; Uranium; Vanadium; Yttrium; Zinc; Zirconium;			
		Loss on ignition	Thermogravimetric analyser	in-house method ME-GRA05d/c/h/t/f/l	
		Aluminium; Arsenic; Barium; Calcium; Chloride; Chromium; Cobalt; Copper; Iron; Lead; Magnesium; Manganese; Nickel; Phosphorus; Potassium; Silicon; Sodium; Strontium; Sulfur; Tin; Titanium; Vanadium; Zinc; Zirconium;	X-ray fluorescence (XRF)	in-house method ME-XRF21n/u/h/hu/c/cu/t/tu	
	Geological samples; Metallurgical samples;	Aluminium; Antimony; Arsenic; Barium; Beryllium;	ICP-MS	in-house methods ME-MS41; ME-MS42; ME-MS61; ME-MS62	



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		Bismuth; Boron; Cadmium; Caesium; Calcium; Cerium; Chromium; Cobalt; Copper; Gallium; Germanium; Hafnium; Indium; Iron; Lanthanum; Lead; Lithium; Magnesium; Manganese; Mercury; Molybdenum; Nickel; Niobium; Phosphorus; Potassium; Rhenium; Rubidium; Scandium; Selenium; Silver; Sodium; Strontium; Sulfur; Tantalum; Tellurium; Thallium; Thorium; Tin; Titanium; Tungsten; Uranium; Vanadium; Yttrium; Zinc; Zirconium;			
		Aluminium; Antimony; Arsenic; Barium; Beryllium; Bismuth; Boron; Cadmium; Caesium; Calcium; Cerium; Chromium; Cobalt; Copper; Gallium; Germanium; Hafnium; Indium; Iron; Lanthanum; Lead; Lithium; Magnesium; Manganese; Mercury;	ICP-AES	in-house methods ME-ICP41; ME-ICP61; ME-OG46; ME-OG62	



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		Molybdenum; Nickel; Niobium; Phosphorus; Potassium; Rhenium; Rubidium; Scandium; Selenium; Silver; Sodium; Strontium; Sulfur; Tantalum; Tellurium; Thallium; Thorium; Tin; Titanium; Tungsten; Uranium; Vanadium; Yttrium; Zinc; Zirconium;			
Chromium ores; Manganese ores;	Aluminium oxide; Arsenic trioxide; Asbestos; Barium oxide; Calcium oxide; Cerium oxide; Chloride; Chromium oxide; Cobalt oxide; Copper oxide; Iron oxide; Lead oxide; Magnesium oxide; Manganese oxide; Nickel oxide; Palladium; Phosphorus pentoxide; Potassium oxide; Silicon dioxide; Sodium oxide; Strontium oxide; Sulfur trioxide (sulfuric anhydride); Tin oxide; Titanium dioxide; Vanadium pentoxide; Zinc oxide; Zirconium dioxide;	X-ray fluorescence (XRF)	In-house ME-XRF26		

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