



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

PROFICIENCY TESTING AUSTRALIA  
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Rhodes, NSW 2138 Australia  
Phillip Briggs 61 2 9736 8397

PROFICIENCY TESTING PROVIDER

Valid To: May 31, 2012

Certificate Number: 2125.01

In recognition of the successful completion of the A2LA evaluation process, this Proficiency Testing Provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment - General Requirements for Proficiency Testing". Accreditation is granted to this provider to provide proficiency testing samples in the following analyte/matrix combinations:

**TESTING**

CHEMICAL

Water (Sydney Offices)

Total Solids, Total suspended solids, Total dissolved solids, COD, TKN, Metals, pH & sulphate, Colour, Conductivity, BOD, Cations, Trihalomethanes, Total Phosphorus, Oil & grease, PAHs, PCBs, Phenols, Purgeable Aromatics, Turbidity, Purgeable Halocarbons, Phthalate esters, Anions, Ammonia, Nitrate, Nitrite, Herbicides, Pesticides, Organochlorines, Organophosphates, PAHs, Priority Pollutant Phenols, TP, TOC, Chlorinated Phenoxy Acid Herbicides, Bromide, Chloride, Fluoride, Iodide, Chlorinated Hydrocarbon Pesticides, Total Cyanide, Polycyclic Aromatic Hydrocarbons

Food

Milk - fat, protein, lactose, total solids

Fish - metals

Other – protein, total fat, saturated fat, moisture, dietary fibre, ash, sodium, total sugars, salt, carbohydrate energy

Wine

Total acidity, volatile acidity, actual alcohol, total sulfur dioxide, reducing sugars

Asbestos (Brisbane Office)

Identification, fibre counting

Metal Alloys

Composition analysis for the alloy types - ferrous, copper, aluminium, tin, lead, magnesium, zinc, nickel, precious metals, phosphorus, cadmium, chromium, manganese, silicon, arsenic

### Soils

Total and water soluble fluoride, chloride, ammonia, oxidized nitrogen, extractable sulphur, copper, lead, arsenic, selenium, mercury, silver, molybdenum, chromium, nickel, zinc, iron, manganese

### Coal

Moisture, ash, volatile matter, gross calorific value, total sulfur, pyritic sulfur, chlorine, carbon, hydrogen, nitrogen, carbonate carbon, phosphorus, relative density, fluorine, mercury, selenium, arsenic

### Fuels

Octane rating for RON, MON and AVGAS

### Paint

Gloss Tiles

Water based paint – Density, consistency, non-volatiles by mass, non-volatiles by volume

## BIOLOGICAL

### Waters

E.coli, faecal coliforms, total coliforms, faecal streptococci, plate count

### Pathogens in Food

Qualitative and quantitative - salmonella, listeria, bacillus cereus, staphylococci

### Legionella in Water

Identification of legionella type, legionella enumeration

### Carcass Hygiene

E.coli, staphylococcus epidermidis

### Algae

Identification and enumeration of type of algae

### Cryptosporidium and Giardia in Water

Identification and enumeration of cryptosporidium and giardia

### Non-Pathogens in Food

Plate count, coliforms, E.coli, thermophiles, thermophilic spores

### Pharmaceuticals

Identification and enumeration of pharmacopoeia

## CONSTRUCTION MATERIALS

### Soils

California bearing ratio, classification, compaction and density, strength and consolidation

### Asphalt

Density, bitumen content, aggregate grading, stability and flow

### Aggregates

Sieve analysis, particle shape and size, density, water absorption

### Concrete

Hardened concrete cylinders - dimensions, maximum sustained load unit, compression strength, type of failure

## MECHANICAL

### Tensile testing of metals

Tensile strength, strain rate, yield stress, proof strength, elongation

### Hardness testing of metals

Brinell hardness, Rockwell hardness, Vickers hardness

### Chains

Proof strength, braking load, extension

### Textiles

Qualitative fibre analysis, breaking load, extension, mass per unit area, threads per unit length

## NON-DESTRUCTIVE TESTING

### Ultrasonics

Ultrasonic examination of ferritic steels

### Radiography

Radiographic examination of ferritic steels

### Magnetic Particle Inspection

Magnetic examination of ferritic steels

## CALIBRATION

### Acoustic and Vibration

Vibration measuring and calibration equipment

### Optics and Radiometry

Geometry of optical components and systems

Radiant flux

Calibration of irradiance measuring instruments

Luminance

Illuminance

Spectrophotometry

### Electrical

Resistors, resistor boxes and potential dividers

Capacitors

Magnetic materials and instruments

Inductors and transformers

Voltage standards

Attenuators

Precision transfer instruments

Instrument calibrators

### Heat and Temperature

Temperature measuring equipment

Thermometers

Thermocouples

Physical and Dimensional Metrology

Limit gauges

Length and angle standards

Masses

Weighing devices

Volumetric equipment

Hydrometers

Flow measuring devices

Pressure and vacuum measuring devices

Torque measuring devices

Load cells



The American Association for Laboratory Accreditation

World Class Accreditation

# *Accredited Proficiency Testing Provider*

A2LA has accredited

## **PROFICIENCY TESTING AUSTRALIA**

*Rhodes, NSW AUSTRALIA*

for technical competence as a

### **Proficiency Testing Provider**

This accreditation covers the specific proficiency testing samples listed on the agreed upon Scope of Accreditation. This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment-General requirements for proficiency testing*. This provider meets the management system requirements of ISO/IEC 17043:2010, which includes the principles of ISO 9001:2008.

Presented this 13<sup>th</sup> day of July 2011.

\_\_\_\_\_  
President & CEO  
For the Accreditation Council  
Certificate Number 2125.01  
Valid to May 31, 2012



*For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.*