

# Proficiency Testing Australia 2024 Program Schedule

PROGRAM	DETERMINATIONS	SAMPLE DISPATCH
<b>CHEMICAL</b>		
Waters/319	Total Cyanide, Amenable Cyanide	23 Jan-24
Waters/320	Bromide, Chloride, Fluoride, Iodide	27 Feb-24
Waters/321	Nitrate, Ammonia, Orthophosphate, Total Dissolved Nitrogen, Total Dissolved Phosphorus, Silica, Nitrite	5 Mar-24
Waters/322	Arsenic, Mercury, Selenium	19 Mar-24
Waters/323	Hardness	23 Apr-24
Waters/324	Sulphate, Conductivity, pH, Turbidity, Colour	7 May-24
Waters/325	Calcium, Magnesium, Sodium, Potassium	21 May-24
Waters/326	Total Recoverable Oil and Grease	17 Jun-24
Waters/327	Metals (Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Nickel, Thallium, Zinc)	9 Jul-24
Waters/328	Total Solids, Total Suspended Solids, Total Dissolved Solids	22 Jul-24
Waters/329	Metals (Aluminium, Barium, Bismuth, Boron, Lithium, Manganese, Silver, Strontium)	20 Aug-24
Waters/330	Total Kjeldahl Nitrogen, Total Phosphorus	24 Sep-24
Waters/331	Physical Parameters, Anions and Cations (Total Alkalinity as CaCO <sub>3</sub> , Chloride, Fluoride, Potassium, Sodium, Conductivity, Sulphate, Total Dissolved Solids, Total Solids)	21 Oct-24
Waters/332	Sulphate, Conductivity, pH, Turbidity, Colour	30 Oct-24
Waters/333	Total Biochemical Oxygen Demand, Carbonaceous Biochemical Oxygen Demand, Chemical Oxygen Demand, Total Organic Carbon	26 Nov-24
Waters/334	Total Recoverable Oil and Grease	10 Dec-24
Seawaters/16	Basic Chemistry: Conductivity, pH, Multitest	2 Apr-24
Seawaters/17	To be advised	2 Oct-24
Asbestos ID/22	Bulk sample identification	Oct-23 to May-24
Asbestos ID/23	Bulk sample identification	Oct-24 to May-25
Asbestos/43	Slide fibre count	Mar-24 to Dec-24
Asbestos in Soil/15	Sample identification in soil	Mar-24 to Nov-24



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Food/47	Protein, Total Fat, Moisture, Ash, Dietary Fibre, Carbohydrate and Energy (Rice flour)	1 Oct-24
Paint/37	Density, Consistency - Flow Cup, pH of Water-based paints, Measurement of Specular Gloss	Mar-24
Paint/38	Density, Fineness of Grind, Non-volatile content by Mass, Measurement of Specular Gloss	Sep-24
Metal Alloys/45	Ferrous	May-24
Metal Alloys/46	Ferrous	Nov-24
Coal/48	Coal (Proximate and Ultimate Analyses, Total Sulfur, Gross Calorific Value, Trace Elements), Coal Ash (Ash Fusion, Ash Constituents)	Apr-24
Coal/49	Coal (Proximate and Ultimate Analyses, Total Sulfur, Gross Calorific Value, Trace Elements), Coal Ash (Ash Fusion, Ash Constituents)	Oct-24
Bitumen/16	Viscosity, Density, Penetration, Softening Point, Viscosity	Aug-24
Cement/16	Chemical composition, Loss on ignition, Specific surface area, Fineness, Laser granulometry	Jul-24
Air & Emissions/24	Metals on filter paper	May-24
Air & Emissions/25	Particulate matter on filter paper	Nov-24
Geochemical/20	Iron Ore – chemical compositional analysis	Dec-24
PCBs in Oil/15	Aroclors 1016, 1242, 1254 & 1260	Aug-24
<b>BIOLOGICAL</b>		
Waters/78	Effluent - E. coli, Thermotolerant (Faecal) & Total Coliforms, Enterococci and Plate Count (35 °C - 37 °C)	4 Mar-24
Waters/79	Potable - E. coli, Thermotolerant (Faecal) & Total Coliforms, Enterococci and Plate Count (35 °C - 37 °C), P.aeruginosa and C.perfringens	23 Sep-24
Dialysis Waters/7	Total viable counts	10 Sep-24
Pathogens in Food/46	Salmonella & Listeria & Cronobacter	Jul-24
Legionella/67	Enumeration & identification	5 Feb-24
Legionella/68	Enumeration & identification	Aug-24
Non-Pathogens in Food/35	E. coli, Total plate count, Coliforms, Yeast, Moulds	6 May-24
Non-Pathogens in Food/36	E. coli, Total plate count, Coliforms, Yeast, Moulds	1 Oct-24



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Algae/20	Enumeration & identification	Jul/Aug-24
Crypto & Giardia/53	Enumeration & identification	Apr-24
Crypto & Giardia/54	Enumeration & identification	Nov-24
<b>CONSTRUCTION MATERIALS</b>		
Soils/36	Liquid Limit, Cone Liquid Limit, Plastic Limit, Plasticity Index, Cone Plasticity Index, Linear Shrinkage, Particle Size Distribution	Mar-24
Soils/37	California Bearing Ratio	May-24
Soils/38	Liquid Limit, Cone Liquid Limit, Plastic Limit, Plasticity Index, Cone Plasticity Index, Linear Shrinkage, Particle Size Distribution	Aug-24
Concrete/33	Compressive strength, Height, Weight, Mass per Unit Volume, Maximum Sustained Load Unit	Apr-24
Concrete/34	Compressive strength, Height, Weight, Mass per Unit Volume, Maximum Sustained Load Unit	Oct-24
Aggregates/33	Bulk Density, Particle Density and Water Absorption of Course Aggregate, Particle Size Distribution, Material Finer than 75 µm, Particle Shape by proportional Caliper (2:1 Ratio), Flakiness Index	Apr-24
Aggregates/34	Particle Density and Water Absorption of Coarse Aggregate, Particle Size Distribution, Material Finer than 75 µm, Particle Shape by proportional Caliper (2:1 Ratio), Flakiness Index, Average Least Dimension	Sep-24
Aggregates/35	Particle Density and Water Absorption of Fine aggregate, Aggregate soundness by exposure to sodium sulphate, Degradation factor, Clay & fine silt - Settling method, Organic impurities other than sugar, Particle Size Distribution, Material Finer than 75 µm	Nov-24
Rocks/6	Point Load Strength Index, Compressive Strength, Moisture Content, Deformability in Uniaxial Compression, Splitting Tensile Strength	Aug-24
Asphalt/15	Bitumen Content, Grading, Maximum Density, Bulk Density, Air Voids	Oct-24
<b>MECHANICAL</b>		
Tensile Testing of Metals/17	Tensile testing of metal	Feb-24
Hardness Testing of Metals/24	Hardness testing of metal	May-24
Hardness Testing of Metals/25	Hardness testing of metal	Nov-24



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PROGRAM	DETERMINATIONS	SAMPLE DISPATCH
Impact Testing of Metals/10	Charpy impact	Sep-24
<b>NDT</b>		
Magnetic Particle Inspection/6	Steel pipe, plate and tee and Y	Jul-24 to Apr-25
Radiography/6	Steel plate	Jul-24 to Apr-25
Ultrasonics/6	Steel pipe, plate and tee	Jul-24 to Apr-25
Eddy Current/3		Jul-24 to Apr-25
<b>CALIBRATION</b>		
Digital Multimeter/7	HP 34401A Digital Multimeter - DC Voltage (0.1 ~ 1000 V), AC Voltage (0.1 ~ 750 V), DC Current (0.01 ~ 3 A), AC Current (1 ~ 3 A), and Resistance (1 Ohm ~ 10 Meg Ohm)	Nov-23 to Jun-24
Gravimetric/9	Measurement of weights using 5 or 6 place microbalance to test the gravimetric component (i.e., the use of calibrated weights and balances), relating to the determination of inhalable/respirable dust.	Sep-24
Mass	10mg, 2g, 50g, 200g	Open for registration
Temperature	Digital Temperature Indicator System - 0 °C to 420 °C in 20 °C steps	Upon request
Gauge Blocks	Nominal lengths - 2mm, 8mm, 20mm and 100mm	Upon request
<b>MEASUREMENT AUDITS</b>		
Optics & Radiometry	Upon request	Various
Metrology	Upon request	Various
Acoustics & Vibration	Upon request	Various
Electrical	Upon request	Various
Heat & Temperature	Upon request	Various



## Proficiency Testing Australia 2024 Program Schedule

PTA actively develops new programs, and our schedule is updated throughout the year. Customers are advised to regularly check our website for the addition of new programs or changes to dispatch dates.

For most programs, customers may order extra sample sets and submit additional results for evaluation. This will incur an additional cost but is less than the participation fee.

PTA also has a range of spare samples from previous programs which may be used for testing. The cost of these samples also includes an evaluation of results.

For further information please contact us at [ptaenquiry@pta.asn.au](mailto:ptaenquiry@pta.asn.au).

