

Elemental Analysis Rates: ICP Laboratory
Rates Current for 2013-14

Contact Details:

ICP Laboratory: Room B36, Basement of Chemical Science Building (F10).

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Deliveries(Australia Post): MW-Analytical Centre, ICP Laboratory, Chemical Sciences Building (F10), UNSW, Kensington, NSW- 2052, Australia.

Deliveries(Courier): ICP Laboratory, Chemistry Store LG25, Chemical Sciences Building (F10), UNSW, Kensington, NSW- 2052, Australia.

(Enter via gate2 high street)

Sample	Test summary	Method & Detection Limit	Sample size minimum	Price per Sample	GST	Price incl. GST
Water, Nutrients solutions-1 (Basics)	Suitability for Hydroponics & Irrigation, (13 elements (Al,B,Ca,Cu,Fe,K,Mg,Mn,Na,P,S,Zn,P, NO3-N)	ICP-OES dl0.02mg/l NO3-N-MerkRQ strip dl 1.0mg/l	10 ml	\$ 55.00	\$ 5.50	\$ 60.50
Water, Nutrients solutions-2 (Advanced)	Suitability for Hydroponics & Irrigation, (20 elements (Al,B,Ca,Cu,Fe,K,Mg,Mn,Na,P,S,Zn, Pb,Cd, Cr,Ni,Ba,Mo,Si,NO3-N)	ICP-OES dl0.02mg/l NO3-N-MerkRQ strip dl 1.0mg/l	10 ml	\$ 60.00	\$ 6.00	\$ 66.00
Water, Nutrients solutions	EC	TPS-Meter dl2.0	10 ml	\$ 10.00	\$ 1.00	\$ 11.00
Water, Nutrients solutions	pH	TPS-Meter dl 0.2	10ml	\$ 10.00	\$ 1.00	\$ 11.00
Water	Alkalinity (p-alk, M-alk, Total-Alk)	Test-Kits-Hanna dl 5.0mg/l	100 ml	\$ 20.00	\$ 2.00	\$ 22.00
Water	Chloride	Test-Kits-Hanna dl 20.0mg/l	50 ml	\$ 10.00	\$ 1.00	\$ 11.00
Water	Cl,F,NO2,NO3, Br, PO4, SO4	Ion Chromatography dl0.2mg/l	50 ml	\$ 55.00	\$ 5.50	\$ 60.50
Water	Ammonia	NO3-N-MerkRQ strip dl 1.0mg/l	10 ml	\$ 10.00	\$ 1.00	\$ 11.00
Water	Ammonia	FIA dl 0.02mg/l	10ml	\$ 150.00	\$ 15.00	\$ 165.00
Water, Nutrients solutions	Total Nitrogen, Carbon & Organic Carbon	Multi-N/C analyzer	20ml	\$ 60.00	\$ 6.00	\$ 66.00
Potting mix	Testing to AS 3743-2003 (chemical)	AS 3743-2003	500 gm	\$ 100.00	\$ 10.00	\$ 110.00
Potting mix	Nitrogen Drawdown index(NDI)	AS 3743-2003	1.0KG	\$ 150.00	\$ 15.00	\$ 165.00
Compost	Testing to AS 4454-1999 (chemical)	AS 4454-1999	1.0kg	\$ 150.00	\$ 15.00	\$ 165.00
Compost	Toxicity test	AS 4454-1999	500gm	\$ 100.00	\$ 10.00	\$ 110.00

Sample	Test summary	Method & Detection Limit	Sample size minimum	Price per Sample	GST	Price incl. GST
Soil	Major, minor, trace element & heavy metals*	EPA-total digest, ICP-OES/MS	100gm	\$ 170.00	\$ 17.00	\$ 187.00
Soil	B- hot CaCl ₂ extract	**12C2/ Hot CaCl ₂	50 gm	\$ 70.00	\$ 7.00	\$ 77.00
Soil	TEA (Cu, Zn, Fe & Mn)- DTPA extract	**12 A1-DTPA	50gm	\$ 70.00	\$ 7.00	\$ 77.00
Soil	Exchangeable cations / NH ₄ -Acet. Extract (Na, K, Ca, Mg)	**15D3-1M NH ₄ -Ac	50 gm	\$ 70.00	\$ 7.00	\$ 77.00
Soil	Cations-- Mehlich III extract(Na, K, Mg, Ca, P, Zn, Cu, Fe, Mn,)	Mehlich III extract/OES	20gm	\$ 70.00	\$ 7.00	\$ 77.00
Soil	EC, pH-Water extract	**4A1/Water	10 gm	\$ 40.00	\$ 4.00	\$ 44.00
Soil	NO ₃ , NH ₄ -Water extract	**4A1NO ₃ -N-MerkRQ strip	10gm	\$ 40.00	\$ 4.00	\$ 44.00
Soil	Cl, F, NO ₂ , NO ₃ , Br, PO ₄ , SO ₄ -Water extract	**4A1/ IC	10 gm	\$ 80.00	\$ 8.00	\$ 88.00
Soil	pH in CaCl ₂	**4B2/CaCl ₂	10 gm	\$ 25.00	\$ 2.50	\$ 27.50
Soil	Orgnic Carbon	ISO10694/Leco-CN analyser	5 gm	\$ 80.00	\$ 8.00	\$ 88.00
Soil/plant tissue	Total C & N	Leco-CN analyser	***2gm dried powder	\$ 50.00	\$ 5.00	\$ 55.00
Plant tissue	Total digest (P, K, Ca, Mg, Na, S, Fe, Mn, Zn, B, Cu, Al)	Total digest/ICP-OES	***2gm dried powder	\$ 80.00	\$ 8.00	\$ 88.00
Water soluble Fertilizer	Major, minor, trace element & heavy metals & Mercury*	Water/Acid solution, ICP-OES/MS	5gm	\$ 200.00	\$ 20.00	\$ 220.00
Fertilizer	P-forms: Total P, Water Soluble P, Citrate Soluble P & Citrate insoluble P	JAOAC/ICP-OES	10gm	\$ 150.00	\$ 15.00	\$ 165.00
Other Services						
	Grinding			\$ 15.00	\$ 1.50	\$ 16.50
	Digestion-open			\$ 25.00	\$ 2.50	\$ 27.50
	Digestion-MW			\$ 50.00	\$ 5.00	\$ 55.00
	ICP-OES for solution (10 elements)*	0.05mg/l		\$ 55.00	\$ 5.50	\$ 60.50
	ICP-MS for solution(10elements)*	0.05ug/l		\$ 80.00	\$ 8.00	\$ 88.00
	ICP-MS for solution(10elements) & Mercury*	0.05ug/l		\$ 130.00	\$ 13.00	\$ 143.00

* Elements are subject to customer request. Price may vary subjects to Elements.

**Method code as found in the Australian Handbook of Soil and Water Chemical Methods (Rayment and Higginson).

***Sampling of Plant Tissue: In general a fully expanded, recently mature leaf. (10-20leaves)

****Sampling Soil: Only dry and ground soil will be accepted.

1. Soil & Plant Testing proficiency accredited by Australian soil and plant council.
2. Fees are subject to change without notice. Fees for other tests are available on request.
3. Quotes for bulk testing and extended consultancies are available on request.
4. Discount are available for packages & bulk testing subject to condition.