



Hortus Technical Services Price List

Prices valid from 1 March 2019 Version 1



HORTUS

Australia's leading independent laboratory and agronomic services company with the "know how" to grow.

LABORATORY - IPM - QUALITY ASSURANCE - SOFTWARE - CONSULTANCY - R & D
HORTICULTURE - BROADACRE - NURSERY - GREENHOUSE
ANALYSIS - INSPECTION - INTERPRETATION - MANAGEMENT - DELIVERY

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SOIL ANALYSIS

Nutrient	Soil S31	Soil S32	Soil S33	Soil S34	Super Soil S35	Sugar Soil S42	Sugar Soil S43
Texture & Soil Colour	✓	✓	✓	✓	✓	✓	✓
Nitrate-N	✓	✓	✓	✓	✓		✓
Phosphorus (Colwell)	✓	✓	✓	✓	✓	✓	✓
Phosphorus (BSES)		✓	✓	✓	✓	✓	✓
Exchangeable Cations (Ca, Mg, Na, K)	✓	✓	✓	✓	✓	✓	✓
Sulphate-S (MCP)		✓	✓	✓	✓	✓	✓
pH (1:5 water)	✓	✓	✓	✓	✓	✓	✓
EC (1:5 water)	✓	✓	✓	✓	✓	✓	✓
Chloride	✓	✓	✓	✓	✓		✓
Phosphorus Buffer Index (PBI)		✓	✓	✓	✓	✓	✓
Organic Carbon (W&B)		✓	✓	✓	✓	✓	✓
Organic Matter		✓	✓	✓	✓	✓	✓
Ammonium-N		✓	✓	✓	✓		✓
Cu, Fe, Mn, Zn (DTPA)			✓	✓	✓	✓	✓
Boron (hot CaCl ₂)				✓	✓		
Aluminium (if pH is < 5.5)					✓		
Solvita Respiration Test (Microbial Population Indicator)					✓		
Silicon (BSES + CaCl ₂)					✓		
Potassium (Nitric)						✓	✓
Calculations: Ca Cat %, K Cat %, Mg Cat %, ESP, CEC	✓	✓	✓	✓	✓	✓	✓
Optimal Levels and Traffic Light Charts on Report	✓	✓	✓	✓	✓	✓	✓
Price (excl. GST)	61.81	77.28	100.00	122.73	163.64	110.91	131.82
Price (incl. GST)	68.00	85.00	110.00	135.00	180.00	122.00	145.00
Minimum sample volume required	500g	500g	500g	500g	500g	500g	500g

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ADDITIONAL SINGLE ELEMENT (ASE) TESTS

Nutrient	Method Code	Sample Volume	Price excl. GST	Price incl. GST
Exchangeable Aluminium (KCl)	15G1	100g	14.55	16.00
Exchangeable cations (Ca, Mg, Na, K)	15D3	200g	31.82	35.00
Organic Carbon (W&B)	6A1	100g	31.82	35.00
Phosphorus Buffer Index, PBI (requires P Colwell test)	9I2	200g	14.55	16.00
pH (1:5 water)	4A1	100g	14.55	16.00
Electrical Conductivity (1:5 water)	3A1	100g	14.55	16.00
pH (CaCl ₂)	4B2	100g	14.55	16.00
Phosphorus (BSES)	9G2	100g	14.55	16.00
Phosphorus (Colwell)	9B1	100g	14.55	16.00
Phosphorus (Olsen)	9C2	100g	14.55	16.00
Potassium (Nitric)	18C1	100g	31.82	35.00
Silicon (CaCl ₂)	CaCl ₂	100g	14.55	16.00
Silicon (BSES)	13D1	100g	14.55	16.00
Sulphate (MCP)	10B	100g	14.55	16.00
Total Nitrogen (Combustion)	7A5	100g	14.55	16.00
Total Carbon (Combustion)	6B2	100g	14.55	16.00
Micros: Cu, Fe, Mn, Zn (DTPA)	12A1	200g	31.82	35.00
Solvita Respiration Test (Microbial Population Indicator)	SOL	200g	31.82	35.00
Labile Carbon	6E1	100g	31.82	35.00
Soil Salinity (SS1) – pH, E.C., Na, Cl	4A1, 3A1, 15D3, 5A1	200g	43.18	47.50
Carbon Suite (CS1) – Organic carbon, Total Carbon, Labile Carbon, Total Nitrogen	6A1, 6B2, 6E1, 7A5	200g	79.09	87.00
Soil CMP – Compost, Manure, Peat & Potting Mix - pH, EC, Nitrate, OC, Colwell-P, K, Ca, Mg, Na, Cl, OM, CEC (Optimal levels NOT AVAILABLE)	4A1, 3A1, 10B1, 6A1, 9B1, 15D3, 5A1	500g	119.19	131.00
N1 – Nematode Count	Whitehead tray	500g	113.64	125.00

Postal Address: Locked Bag 3901 Bundaberg QLD 4670

Physical Address: 1/5 Scotland Street Bundaberg East QLD 4670

Phone: (07) 4132 5000

Email: techservices@hortus.net.au

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Please contact Hortus for current pricing.

Website: www.hortus.net.au

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SAP ANALYSIS					
Nutrient	P1	P2	P3	P9	
Nitrate (NO ₃)	✓	✓	✓	✓	
Phosphate (PO ₄ -P)	✓	✓	✓	✓	
Potassium	✓	✓	✓	✓	
Calcium	✓	✓	✓	✓	
Magnesium	✓	✓	✓	✓	
Zinc	✓	✓	✓	✓	
Sulfate (SO ₄ -S)		✓	✓	✓	
Copper		✓	✓	✓	
Manganese		✓	✓	✓	
Iron		✓	✓	✓	
Boron		✓	✓	✓	
Sodium			✓	✓	
Chloride			✓	✓	
Silicon			✓		
pH			✓		
Brix			✓		
Electrical Conductivity			✓		
Optimal levels and Traffic Light Charts on Report	✓	✓	✓	✓	
	Price (excl. GST)	55.45	71.82	100.00	87.73
	Price (incl. GST)	61.00	79.00	110.00	96.50

Sample volumes required for this testing vary according to crop type and testing performed. Please contact us on (07) 4132 500 for advice or refer to our website for the Hortus Sap Sampling Manual:

<http://public.hortus.net.au/Services/Analytical/PlantSapandDryTissue.aspx>

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QUICKSOIL ANALYSIS (Soil solution test)

Nutrient	S6	S7	
pH	✓	✓	
Electrical Conductivity	✓	✓	
Nitrate-N	✓	✓	
K, Ca, Mg, Na	✓	✓	
Chloride	✓	✓	
Ammonium-N		✓	
Optimal Levels and Traffic Light Charts on Reports	✓	✓	
	Price (excl. GST)	68.18	92.73
	Price (incl. GST)	75.00	102.00
Minimum sample volume required	300g	300g	

IRRIGATION WATER ANALYSIS

Nutrient	IW2	IW3 (Hydroponic)	IW5	
pH, Electrical Conductivity, Sodium, Chloride	✓	✓	✓	
Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sodium, Sulfate, Copper, Zinc, Boron, Manganese, Iron	✓	✓		
Ammonium-N		✓		
Calculations: Sodium Adsorption Ratio, Total Dissolved Solids, Hardness	✓	✓		
Optimal Levels and Traffic Light Charts on Reports	✓	✓	✓	
	Price (excl. GST)	61.82	72.73	33.64
	Price (incl. GST)	68.00	80.00	37.00
Minimum sample volume required	500mL	500mL	200mL	

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DRY TISSUE ANALYSIS

Nutrient	P4
Nitrate, Chloride	✓
Total Boron, Phosphorus, K, Ca, Mg, Na, Sulfur, Zn, Cu, Mn, Fe	✓
Total Carbon, Total Nitrogen	✓
Optimal Levels and Traffic Light Charts on Reports	✓
	Price (excl. GST)
	Price (incl. GST)
	90.00
	99.00

**Sample volumes required for this testing vary according to crop type and testing performed.
Please contact us for advice or refer to our website for the Hortus DT Sampling Guide:**

<http://public.hortus.net.au/Services/Analytical/PlantSapandDryTissue.aspx>

FRUIT ANALYSIS

Element	FT1	FT2	FT3	FT4
pH, EC, Brix, K, Ca, Mg, Na, Si, Cl	✓	✓		
NO ₃ -N, PO ₄ -P, Zn, Fe, Mn, Cu, B, SO ₄ -S		✓		
Avocado Maturity Indicator (Shepherd)			✓	
Avocado Maturity Indicator (All other varieties)				✓
Optimal Levels and Traffic Light Charts	✓	✓		
	Price (excl. GST)	62.27	100.00	62.27
	Price (incl. GST)	68.50	110.00	68.50

**A minimum juice content of 200mL is required for the FT1 & FT2 fruit tests.
Please contact the Hortus Office on (07) 4132 5000 for details on fruit sample number requirements.**

For FT3 & FT4 samples – please provide a minimum of 5 whole avocado for testing.

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COMBO PACKAGES

TEST CODES	C1	C2	C3	C4	C5	C6	C9	C10
IW3			✓					
S33				✓				
S6	✓	✓				✓	✓	
S7					✓			✓
P1	✓							
P2		✓	✓		✓			
P3						✓		
P4				✓				
P9							✓	✓
Price (excl. GST)	109.09	130.91	130.91	198.18	162.73	160.00	146.82	177.27
Price (incl. GST)	120.00	144.00	144.00	218.00	179.00	176.00	161.50	195.00

MAIN ROAD & TRANSPORT SOILS (MRTS 16 Landscape and Revegetation Works)

	MRTS 1	MRTS 2	MRTS 3
Form C – Topsoil Testing	✓		
Form E – Subsoil Testing		✓	
Form D – Manufactured Site Topsoil Compliance Testing			✓
Price (excl. GST)	525.45	472.73	409.09
Price (incl. GST)	578.00	520.00	450.00
Form B – Soil Assessment Report	Price (excl. GST) 130.00	130.00	130.00
	Price (incl. GST) 143.00	143.00	143.00
Minimum sample volume required	5kg	3kg	2kg

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ENVIRONMENTAL and FOOD SAFETY

	Soil				Water			Produce		
	HMS1	HMS2	HMS3	CR006	HMW1	HMW2	CRO06	HMP1	CR006	CR007
Heavy Metal – 2 elements (Pb & Cd)								✓		
Heavy Metals – 3 elements (Pd, Hg & Cd)	✓									
Heavy Metals – 7 element screen		✓			✓					
Heavy Metals – 15 element screen			✓			✓				
Standard residue screen (OC & OP)				✓			✓		✓	
Extended residue screen										✓
Price (excl. GST)	94.55	154.55	236.36	272.73	100.00	152.73	272.73	94.55	272.73	345.45
Price (incl. GST)	104.00	170.00	260.00	300.00	110.00	168.00	300.00	104.00	300.00	380.00
Minimum sample volume required	500g	500g	500g	500g	500mL	500mL	500mL	500g	500g	500g

HOUSEHOLD (DOMESTIC) WATER ANALYSIS

Nutrient	W2	W8	MA1	MA2
pH, Electrical Conductivity, Sodium, Chloride	✓	✓		
Nitrate, Phosphorus, K, Ca, Mg, Na, Sulfate, Cu, Zn, Boron, Mn, Fe, SAR, Hardness, TDS	✓	✓		
Total Alkalinity, Temperature, Langelier Saturation Index		✓		
E.coli, Total Coliforms, Thermotolerant Coliforms, Heterotrophic Plate Count			✓	✓
Listeria spp. + Salmonella spp.				✓
Optimal Levels based on Aust. Drinking Water Guidelines	✓	✓		
Price (excl. GST)	100.00	131.82	145.45	187.73
Price (incl. GST)	110.00	145.00	160.00	206.50
Minimum sample volume required	500mL	500mL	500mL	500mL

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ADDITIONAL FEES AND SERVICES TO TEST CODE PRICES (as applicable)

	Price (excl. GST)	Price (incl. GST)
Complete Recommendation including Total element requirement, product selection and rates	34.55	38.00
Elemental Recommendation – proportional and total elemental requirement, including predicted nutrient removal for the target yield (available on Soil & Quicksoil samples only)	24.09	26.50
Sample Preparation – charged on samples outside the regular testing suites	14.55	16.00
Sample Handling – charged on samples that require extended preparation (e.g. > 1 hr prep. Example Rocket, Lychee, Herbs)	50.00	55.00
Data Entry – charged on samples that are submitted without an electronic ARF (per sample)	5.45	6.00
Data Entry – charged on samples that are submitted without an electronic ARF (multiple samples > 5)	22.72	25.00
Sample Washing – charged on samples that are submitted and need to be washed before preparation (per sample)	2.00	2.20
Admin Fee - charged on sample(s) submitted without an existing Hortus test code (covers submission & preparation fee)	10.00	11.00
Sample collection per block (not including travel)	42.95	47.25
Sample collection per hour	94.55	104.00
Consulting/ Monitoring by agronomist (per hour) including travel	120.00	132.00
Travel – return travel from Hortus office (per hour)	90.00	99.00

Please submit an analysis request form (ARF) with all tests, go to www.hortus.net.au to submit your sample data online.

Bulk discounts may apply. Please contact Hortus to enquire.

Payment Terms are strictly COD if you are not an account holder and 30 days for a/c holders

Bank: ANZ

BSB: 014-556

Account No: 5511 20674

Account Name: Hortus Technical Services Pty Ltd