



Retail Price List

Prices valid from 1st August to 31st December 2020

Version 1



**Nutrient
Advantage[®]**

NUTRIENT ADVANTAGE

Nutrient Advantage is one of the largest providers of soil, plant tissue, water, compost and manure nutrient testing services in Australia. Since 1963, it has supplied specialist testing services and evidence based agronomic advice to meet the needs of researchers, advisors, consultants and growers within the Australian agriculture and environmental sectors.

Renowned across the industry for its experience, focus on quality, customer service, consistent and rapid turn-around time, a broad and flexible range of tests to choose from, and advanced agronomic decision support software, Nutrient Advantage is ready to help you meet your testing needs.

EXCELLENT CUSTOMER SERVICE

Friendly, experienced and dedicated staff are available to guide you through each part of your Nutrient Advantage experience. Supported by dedicated agronomists, analytical chemists and IT specialists, email or call for a solution for your testing needs, request supplies, or promptly solve any issue.

FAST SERVICE DELIVERY

Nutrient Advantage is celebrated for its consistency in delivering correct results, first time, on-time. Utilising a large laboratory testing capacity and full-time staff compliment, we can ensure your work is completed to schedule regardless of the size of your sample submission or the time of year.

Along with our uncompromising approach to quality, it is our capacity and turn-around time consistency which makes us the preferred testing provider for consultants with rapid service needs, and large government and university projects.

EXTERNALLY ASSESSED QUALITY ASSURANCE

Nutrient Advantage Laboratory Services is one of the few Australian soil and plant tissue nutrient testing laboratories independently verified by 3rd parties for accuracy and traceability. Both NATA accredited and ASPAC certified for the majority of soil and plant tissue tests offered, you can have confidence in our credible and validated test results.

The National Association of Testing Authorities (NATA) uses leading agricultural laboratory scientists and professional auditors to independently audit the laboratory, our staff, Quality System and applied Test Methods for compliance to the AS/ISO 17025 standard for laboratory quality and traceability. Review the comprehensive scope of tests that NATA have accredited Nutrient Advantage for at:

www.nata.com.au



Nutrient Advantage is a founding member of the Australasian Soil and Plant Analysis Council (ASPAC). ASPAC operates a soil and plant tissue proficiency testing program to certify laboratories for accurate results in participating test methods. We invite you to review our extensive range of certified tests (and those of our competitors) at: www.aspac-australia.com



Professional, qualified chemists are employed and trained to analyse your samples with expertise and integrity. Nutrient Advantage procedures are designed to provide the most reliable and defensible, fit for purpose analytical results.

TESTING FLEXIBILITY

This price list includes commonly requested test methods packaged into “test codes”, designed to assist your testing selection when submitting samples. If you prefer an alternative suite of tests for your samples, please request a quotation. Discounts are available for large submissions.

REPORTING FLEXIBILITY

Nutrient Advantage offers many reporting options in electronic or hardcopy format, including NATA endorsed reports of test results, and low formatted .csv files of test results for importation in to MS Excel® or your database.

Where crop information is available, we can also provide agronomic crop optimal nutrient ranges, nutrient application requirements and fertiliser recommendations.

LabSTREAM®

LabSTREAM® is an innovation for sampling soil and plant tissue. Designed by Nutrient Advantage, the intuitive app helps users submit samples quickly and easily, on the go.

- ✓ Scan sample barcodes using the device camera
- ✓ Paperless. No more sample consignment notes!
- ✓ Record up to 20 GPS points per sample
- ✓ Fast crop information entries using “Easy Recs”
- ✓ Available on most Apple and Android devices.



NUTRIENT ADVANTAGE PRO®

Nutrient Advantage makes available world leading advisory software to trained users for the agronomic interpretation of soil, plant tissue and water sample results and development of nutrient application recommendations.

Assessed and accredited by Fertcare®, the fully redesigned Nutrient Advantage Pro® provides both optimal test ranges and nutrient application recommendations based on an up-to-date and extensive library of independent Australian agronomy ‘rules logic’ and agronomy expertise, supported by our industry leading technical agronomists.



Logging samples online and receiving results directly from the Nutrient Advantage laboratory, trained agronomic advisors can tailor their client's recommended nutrient requirements taking into consideration individual growers farming practices, paddock history and local knowledge.



For information regarding sample submission forms, sampling instructions and testing methodology please visit our website: www.nutrientadvantage.com.au, or contact Nutrient Advantage on 1800 803 453.

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Fees & Services

Additional fees and services to test code prices (as applicable)	Price GST excl.	Price GST incl.
Data Entry per sample within Nutrient Advantage Pro [®] (if completed by the Laboratory)	\$5.00	\$5.50
Complete Fertiliser Recommendations through Nutrient Advantage Pro [®] , including (per sample):		
<ul style="list-style-type: none"> Laboratory Results Optimal Nutrient Ranges (where agronomic charts are available) Nutrient Requirements and Fertiliser Application Rates Fertcare[®] Accredited Advisor Comments 	\$55.00	\$60.50
Note: This premium recommendation service may add several days to the results only service.		

WATER ANALYSIS



500mL of sample required. We recommend filling bottles to the brim to remove air and reduce expansion during delivery. Coliforms testing requires sampling with a sterile bottle and should be sent within 24 hours. No raw urine or samples containing human effluent will be accepted.

Test Code	Water samples C1	Fertilisers & Waste C3
pH, Electrical Conductivity, Carbonate, Bicarbonate, Total Alkalinity	✓	✓
Aluminium, Boron, Calcium, Copper, Iron, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Sulphur, Zinc	✓	✓
Ammonium, Nitrate, Chloride	✓	✓
Calculations: Sodium Adsorption Ratio, Total Dissolved Salts	✓	✓
Calculations: Water Hardness, Residual Sodium Carbonate, Calcium Carbonate Saturation Index, Salinity & Sodidity Class	✓	
Total Nitrogen (TKN)		✓
Total: Aluminium, Boron, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Phosphorus, Potassium, Sodium, Sulphur, Zinc		✓
Price (GST excl.)	\$50.00	\$96.00
Price (GST incl.)	\$55.00	\$105.60

Additional tests may be added to any Test Code. Include additional tests on the submission form, eg "C1 + Total Coliforms & E.Coli", or contact us for a free customised test code. Tests requested without an existing Test Code will incur a submission & preparation fee of \$10 per sample.

Additional Water Tests (add to existing Test Codes)	Additional volume required	Price GST excl	Price GST incl
Specific gravity (g/cm ³)	100mL	\$5.00	\$5.50
Total Coliforms and E. Coli	100mL	\$35.00	\$38.50
Faecal Coliforms (Thermotolerant)	100mL	\$35.00	\$38.50

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PLANT TISSUE & GRAIN ANALYSIS



Plant tissue & grain lab results are usually reported within 3-4 working days from receipt.

Trace elements are analysed by ICP Mass Spectrometer for low-level plant tissue agronomic critical limits.

Test Code	Plant Tissue						Grains
	PT1	PT2	PT3	PT4	PT5	PT6	G1
Nitrate, Ammonium, Chloride			✓	✓	✓	✓	
Boron, Calcium, Copper, Iron, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Sulphur, Zinc	✓	✓	✓	✓	✓	✓	✓
Nitrogen (Combustion)	✓	✓	✓	✓	✓	✓	
Nitrogen (Kjeldahl)							✓
Molybdenum		✓		✓	✓	✓	
Cobalt					✓	✓	
Selenium						✓	
1000 grain weight, Moisture							✓
Calculations (Nutrient Removed per 1 tonne/hectare Yield): Boron, Calcium, Copper, Iron, Magnesium, Manganese, Phosphorus, Potassium, Sodium, Sulphur, Zinc, Nitrogen							✓
Calculations: Seed Zinc content, Seed Phosphorus content (Seed optimal ranges for wheat only)							✓
Price (GST excl.)	\$33.00	\$44.00	\$41.00	\$52.00	\$63.00	\$74.00	\$51.00
Price (GST incl.)	\$36.30	\$48.40	\$45.10	\$57.20	\$69.30	\$81.40	\$56.10

Additional tests may be added to any Test Code. Include additional tests on the sample submission form, eg "PT4 + Moisture", or contact us for a free customised test code. Tests requested without an existing Test Code will incur a submission & preparation fee of \$10 per sample.

Additional Plant Tissue or Grain tests	GST excl	GST incl
Plant leaf washing before analysis	\$4.00	\$4.40
Moisture & Dry Matter (at 70°C)	\$4.00	\$4.40
Total Nitrogen (Kjeldahl digestion)	\$13.00	\$14.30
Total Nitrogen (Combustion)	\$13.00	\$14.30
Total Silicon	\$13.00	\$14.30

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COMPOSTED MATERIALS ANALYSIS



300g of sample required.

Double bag and label contents for safe transport and handling, e.g. “composted chicken manure” or “sugar mill ash”.

Liquid manure samples are advised to select the Water Analysis Test Code C3.

Test Code	Manure & Composts	Sugarcane Mill Mud, Mill Ash & Mixes	
	MC1	MM1	MM2
Moisture & Dry Matter (at 70°C)	✓	✓	✓
pH (1:5 water) & Electrical Conductivity (1:5 water)	✓	✓	✓
Total: Boron, Cadmium, Calcium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Phosphorus, Potassium, Sodium, Sulphur, Zinc (acid digestion) & Carbon, Nitrogen, C:N ratio (Combustion)	✓	✓	✓
Water Soluble: Ammonium, Nitrate, Chloride, Boron, Calcium, Copper, Iron, Magnesium, Manganese, Molybdenum, Potassium, Sodium, Sulphur, Zinc (1:5 water)	✓		✓
Phosphorus (Colwell)			✓
Phosphorus (H ₂ SO ₄ , BSES) & Silicon (H ₂ SO ₄ , BSES)			✓
Price (GST excl.)	\$84.00	\$58.00	\$100.00
Price (GST incl.)	\$92.40	\$63.80	\$110.00

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CROPPING SOIL ANALYSIS



Test Code	Top Soil Packages							
	E11	E12	E13	E17	E31	E32	E33	E39
Ammonium N, Nitrate N	✓	✓	✓	✓	✓	✓	✓	✓
Phosphorus (Colwell)	✓	✓	✓	✓	✓	✓	✓	✓
Phosphorus Buffer Index (PBI)	✓	✓	✓	✓	✓	✓	✓	✓
Exchangeable Cations (Ca, K, Mg, Na, CEC)	✓	✓	✓	✓	✓	✓	✓	✓
Exchangeable Aluminium (KCl)	✓	✓	✓	✓	✓	✓	✓	✓
Sulphur (KCl 40°C)	✓	✓	✓	✓				
Sulphur (MCP)					✓	✓	✓	✓
pH (1:5 water) & pH (1:5 CaCl ₂)	✓	✓	✓	✓	✓	✓	✓	✓
Electrical Conductivity (1:5 water)	✓	✓	✓	✓	✓	✓	✓	✓
Chloride	✓	✓	✓	✓	✓	✓	✓	✓
Organic Carbon (Walkley & Black)		✓	✓	✓		✓	✓	✓
Texture (Hand Bolus) & Soil Colour		✓	✓	✓		✓	✓	✓
Boron (hot CaCl ₂)			✓	✓			✓	✓
Copper, Iron, Manganese & Zinc (DTPA)			✓	✓			✓	✓
Silicon & Phosphorus (H ₂ SO ₄ , BSES)				✓		✓	✓	✓
Silicon (CaCl ₂)				✓				✓
Price (GST excl.)	\$58.50	\$75.00	\$91.50	\$104.50	\$58.50	\$83.00	\$99.50	\$104.50
Price (GST incl.)	\$64.35	\$82.50	\$100.65	\$114.95	\$64.35	\$91.30	\$109.45	\$114.95

Test Code	Deep Soil Packages					
	E14	E15	E18	E16	E37	E38
Ammonium N, Nitrate N	✓	✓	✓	✓	✓	✓
Chloride	✓	✓	✓	✓	✓	✓
Sulphur (KCl 40°C)		✓	✓	✓		
Sulphur (MCP)					✓	✓
pH (1:5 water) & pH (1:5 CaCl ₂)			✓	✓		✓
Electrical Conductivity (1:5 water)			✓	✓		✓
Texture (Hand Bolus) & Soil Colour				✓		✓
Boron (hot CaCl ₂)				✓		
Moisture (at 105°C)				✓		✓
Price (GST excl.)	\$18.00	\$26.00	\$34.00	\$54.50	\$26.00	\$46.00
Price (GST incl.)	\$19.80	\$28.60	\$37.40	\$59.95	\$28.60	\$50.60

The listed soil Test Codes are a suggestion and may be used interchangeably between industries or depths.

Additional tests listed on pages 9-10 can be added to Test Codes.

Contact us for a customised test code if you use additional tests routinely or you prefer a unique test combination.

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HORTICULTURE SOIL ANALYSIS



Test Code	Top Soil Packages			Sub Soil Packages	
	E71	E72	E73	E74	E75
Ammonium N, Nitrate N	✓	✓	✓	✓	✓
Phosphorus (Olsen)			✓		
Phosphorus (Colwell)	✓	✓	✓		
Phosphorus Buffer Index (PBI)	✓	✓	✓		
Exchangeable Cations (Ca, K, Mg, Na, CEC)	✓	✓	✓	✓	✓
Exchangeable Aluminium (KCl)	✓	✓	✓	✓	✓
Sulphur (KCl 40°C)	✓		✓		
Sulphur (MCP)		✓			
pH (1:5 water) & pH (1:5 CaCl ₂)	✓	✓	✓	✓	✓
Electrical Conductivity (1:5 water)	✓	✓	✓	✓	✓
Chloride	✓	✓	✓	✓	✓
Organic Carbon (Walkley & Black)	✓	✓	✓		
Texture (Hand Bolus) & Soil Colour	✓	✓	✓		✓
Boron (hot CaCl ₂)	✓	✓	✓		
Copper, Iron, Manganese & Zinc (DTPA)	✓	✓	✓		
Silicon & Phosphorus (H ₂ SO ₄ , BSES)	✓	✓	✓		
Silicon (CaCl ₂)	✓	✓	✓		
Buffer pH (lime requirement)					✓
Price (GST excl.)	\$104.50	\$104.50	\$112.50	\$34.50	\$56.00
Price (GST incl.)	\$114.95	\$114.95	\$123.75	\$37.95	\$61.60

The listed soil Test Codes are a suggestion and may be used interchangeably between industries or depths.

Additional tests listed on pages 9-10 can be added to Test Codes.

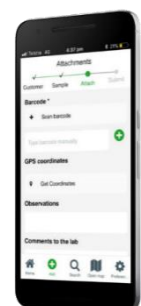
Contact us for a customised test code if you use additional tests routinely or you prefer a unique test combination.

AVAILABLE NOW



LabSTREAM®

**RAPID SUBMISSION OF
SOIL OR PLANT SAMPLES
WITHOUT PAPERWORK**



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SUGARCANE SOIL ANALYSIS



Test Code	Top Soil Packages		
	E41	E42	E43
Silicon & Phosphorus (H ₂ SO ₄ , BSES)	✓	✓	✓
Silicon (CaCl ₂)	✓	✓	✓
Phosphorus (Colwell)	✓	✓	✓
Phosphorus Buffer Index (PBI)	✓	✓	✓
Potassium (Nitric)	✓	✓	✓
Exchangeable Cations (Ca, K, Mg, Na, CEC)	✓	✓	✓
Exchangeable Aluminium (KCl)	✓	✓	✓
Sulphur (MCP)	✓	✓	✓
pH (1:5 water) & pH (1:5 CaCl ₂)	✓	✓	✓
Electrical Conductivity (1:5 water)	✓	✓	✓
Organic Carbon (Walkley & Black)	✓	✓	✓
Texture (Hand Bolus) and Soil Colour	✓	✓	✓
Copper, Iron, Manganese, Zinc (DTPA)		✓	✓
Zinc (HCl)		✓	✓
Chloride			✓
Buffer pH (lime requirement)			✓
Ammonium N, Nitrate N			✓
Price (GST excl.)	\$88.00	\$104.00	\$125.50
Price (GST incl.)	\$96.80	\$114.40	\$138.05

All sugarcane packages are suitable for compliance to Reef Protection Regulations and Six Easy Steps recommendations for sustainable fertiliser use.

Be confident of your results, with all tests both NATA accredited and ASPAC certified.

The listed soil Test Codes are a suggestion and may be used interchangeably between industries or depths.

Additional tests listed on pages 9-10 can be added to Test Codes.

Contact us for a customised test code if you use additional tests routinely or you prefer a unique test combination.

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PASTURE SOIL ANALYSIS



Test Code	Top Soil Packages						Sub Soil	
	E80	E81	E82	E83	E84	E85	E86	E87
Ammonium N, Nitrate N			✓	✓	✓	✓		
Phosphorus (Olsen)					✓	✓		
Phosphorus (Colwell)	✓	✓	✓	✓	✓	✓		✓
Phosphorus Buffer Index (PBI)	✓	✓	✓	✓	✓	✓		
Potassium (Colwell)	✓	✓	✓	✓	✓	✓		
Sulphur (KCl 40°C)	✓	✓	✓	✓	✓	✓		
Exchangeable Cations (Ca, K, Mg, Na, CEC)			✓	✓	✓	✓		✓
Exchangeable Aluminium (KCl)		✓	✓	✓	✓	✓	✓	✓
pH (1:5 water) & pH (1:5 CaCl ₂)		✓	✓	✓	✓	✓	✓	✓
Electrical Conductivity (1:5 water)		✓	✓	✓	✓	✓	✓	✓
Chloride			✓	✓	✓	✓		
Organic Carbon (Walkley & Black)			✓	✓	✓	✓		
Texture (Hand Bolus) & Soil Colour			✓	✓	✓	✓		
Boron (hot CaCl ₂)				✓		✓		
Copper, Iron, Manganese & Zinc (DTPA)				✓		✓		
Price (GST excl.)	\$37.00	\$53.50	\$78.00	\$94.50	\$86.00	\$102.50	\$26.50	\$34.50
Price (GST incl.)	\$40.70	\$58.85	\$85.80	\$103.95	\$94.60	\$112.75	\$29.15	\$37.95

Additional Soil Test Options

Additional tests may be requested in conjunction to packaged or customised Test Codes. Include additional tests on the sample submission form, eg "E11 + Organic Carbon", or request a quote for a customised Test Code.

Note: Tests requested without an existing Test Code will incur a submission & preparation fee of \$10 per sample.

Additional Soil Physical Tests (add to existing Test Codes)	Item Code	Price GST excl.	Price GST incl.
Dispersion & Slaking (Index 1 to 16, Normal agricultural assessment)	PHYS2	\$8.00	\$8.80
Dispersion (Emerson, Classes 1 to 8, Construction or agricultural assessment)	EMERSON	\$16.00	\$17.60
Moisture (at 105°C)	MOIST	\$4.00	\$4.40
%Gravel	GRAVEL	\$6.00	\$6.60
%Sand, %Silt, %Clay (Hydrometer) & Texture	SANSILCLAY2	\$16.00	\$17.60
%Coarse Sand, %Fine Sand, %Silt, %Clay (Hydrometer & wet sieve) & Texture	SANSILCLAY	\$20.00	\$22.00
Texture (Northcote field technique) and Soil Colour	PHYS1	\$8.00	\$8.80
Additional Soil Chemical Tests (add to existing Test Codes)	Rayment & Lyons method or Item Code	Price GST excl.	Price GST incl.
Ammonium, Nitrate & Chloride	7C2b,7C2b,5A2b	\$8.00	\$8.80
Boron (Hot CaCl ₂)	12C2	\$8.50	\$9.35
Calcium Carbonate Percentage (% CaCO ₃ equivalent)	19A1	\$8.00	\$8.80
"Fizz" test (carbonate qualitative field test)	19D1	\$4.00	\$4.40

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Additional Soil Chemical Tests (add to existing Test Codes)	Rayment & Lyons method or Item Code	Price GST excl.	Price GST incl.
Electrical Conductivity & pH (1:5 water & CaCl ₂)	3A1,4A1,4B4	\$8.00	\$8.80
Extractable Aluminium (CaCl ₂)	ICP29	\$8.00	\$8.80
Exchangeable Aluminium (KCl)	15G1	\$8.50	\$9.35
Exchangeable Cations: Calcium, Magnesium, Potassium, Sodium (Ammonium Acetate) & Aluminium (KCl)	15D3,15G1	\$8.50	\$9.35
Exchangeable Cations - Calcium, Magnesium, Potassium, Sodium (Ammonium Acetate, with soluble salt pre-treatment)	15D1	\$30.00	\$33.00
Exchangeable Cations - Calcium, Magnesium, Potassium, Sodium (Alcoholic NH ₄ Cl at pH 8.5, with soluble salt pre-treatment, Tucker)	15C1	\$30.00	\$33.00
Exchangeable Cations - Calcium, Magnesium, Potassium, Sodium, Aluminium (BaCl ₂ /NH ₄ Cl, Gillman & Sumpter)	15E1	\$8.50	\$9.35
Labile (Active) Carbon (0.033M KMnO ₄)	6E1	\$12.00	\$13.20
Mehlich 3 extractable elements: P, Ca, Mg, Na, K, Cu, Fe, Mn, Zn, B, S, Al	18F1	\$8.50	\$9.35
Molybdenum (hot CaCl ₂)	12E1	\$10.00	\$11.00
Organic Carbon (Walkley & Black)	6A1	\$8.50	\$9.35
Phosphorus Buffer Index, PBI (requires Phosphorus Colwell test)	9I2b	\$8.00	\$8.80
pH (1:5 CaCl ₂)	4B3	\$6.00	\$6.60
pH (1:5 water & CaCl ₂) & Electrical Conductivity (1:5 water)	4A1,4B4,3A1	\$8.00	\$8.80
pH Buffer (Mehlich single buffer. Liming requirement to pH 5.5, 6.0 and 6.5.)	16C1	\$13.50	\$14.85
Phosphorus (DGT)	DGTP	\$18.00	\$19.80
Phosphorus (Bray I)	9E2	\$8.00	\$8.80
Phosphorus (Bray II)	BRAYP2	\$8.00	\$8.80
Phosphorus & Silicon (BSES, H ₂ SO ₄)	9G2,13D1	\$8.00	\$8.80
Phosphorus (Olsen)	9C2b	\$8.00	\$8.80
Phosphorus (Colwell)	9B2	\$8.00	\$8.80
Phosphorus & Potassium (Colwell)	9B2,18A1	\$11.00	\$12.10
Potassium (Colwell)	18A1	\$8.00	\$8.80
Potassium (Nitric)	18C1	\$8.00	\$8.80
Potassium (Skene)	SKENEK	\$8.00	\$8.80
Potentially Mineralisable Nitrogen, PMN (also requires Moisture test. 10 day TAT)	7D2b	\$16.00	\$17.60
Saturated Paste/Extract: Electrical Conductivity	14B1	\$12.00	\$13.20
Saturated Paste/Extract: Calcium, Magnesium, Sodium, Potassium, Sulphur, Phosphorus	14F1	\$12.00	\$13.20
Silicon & Phosphorus (BSES, H ₂ SO ₄)	13D1,9G2	\$8.00	\$8.80
Silicon (CaCl ₂)	BSESSI	\$5.00	\$5.50
Sulphur (KCl 40°C)	10D1	\$8.00	\$8.80
Sulphur (MCP)	10B3	\$8.00	\$8.80
Total Nitrogen (Kjeldahl)	7A2	\$13.00	\$14.30
Total Nitrogen (Combustion)	7A5	\$13.00	\$14.30
Total Carbon (Combustion)	6B2b	\$13.00	\$14.30
Total Carbon & Nitrogen, C:N ratio (Combustion)	6B2b,7A5	\$18.00	\$19.80
Total Organic Carbon (Heanes)	6B1	\$13.00	\$14.30
Total (Acid digestion) Phosphorus, Aluminium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Sodium, Sulphur, Zinc	17B1	\$16.00	\$17.60
Trace Elements: Copper, Iron, Manganese, Zinc (DTPA)	12A1	\$8.00	\$8.80
Zinc (HCl)	12D1	\$8.00	\$8.80