

Cootamundra Gundagai Regional Council

Tuesday, September 5, 2023

PO Box 420

Cootamundra NSW 2590

Attention: Andrew Brock



**NATA Accredited Laboratory
Number: 9597**

**Accredited for compliance with
ISO/IEC 17025 - Testing**

LABORATORY ANALYSIS REPORT

Report Number: 2307-0039

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<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		13-July-2023
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Soil	J. Turner	13-July-2023

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
23Jul-0117	Country Club Oval 07.07.23 2.20pm	Calcium, soluble/exchangeable	7.52 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	200 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	3.95 mmol/kg	LTM-S-005	0.02
		Nitrate as N	8 mg/g	LTM-S-007	1
		Nitrogen, total	2930 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	10.3 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	53 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	6.9 pH units	LTM-S-004	
		Potassium	1650 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.70 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.27 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2920 mg/kg	LTM-S-011	2
23Jul-0118	Mitchell Park 07.07.23 11.50am	Calcium, soluble/exchangeable	5.89 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	166 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	3.50 mmol/kg	LTM-S-005	0.02
		Nitrate as N	16 mg/g	LTM-S-007	1
		Nitrogen, total	2630 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	7.1 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	128 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.1 pH units	LTM-S-004	

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23Jul-0118	Mitchell Park 07.07.23 11.50am	Potassium	1480 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.63 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.10 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2610 mg/kg	LTM-S-011	2
23Jul-0119	Jubilee Park 07.07.23 2.10pm	Calcium, soluble/exchangeable	5.37 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	72 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	4.39 mmol/kg	LTM-S-005	0.02
		Nitrate as N	4 mg/g	LTM-S-007	1
		Nitrogen, total	972 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	6.5 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	<5 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.2 pH units	LTM-S-004	
		Potassium	1270 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.56 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.16 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	968 mg/kg	LTM-S-011	2
23Jul-0120	Fisher Park 07.07.23 1.50pm	Calcium, soluble/exchangeable	7.24 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	174 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	4.74 mmol/kg	LTM-S-005	0.02

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23Jul-0120	Fisher Park 07.07.23 1.50pm	Nitrate as N	22 mg/g	LTM-S-007	1
		Nitrogen, total	3060 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	8.8 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	210 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.0 pH units	LTM-S-004	
		Potassium	1670 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.92 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.14 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	3040 mg/kg	LTM-S-011	2
23Jul-0121	Nicholson Park 07.07.23 1.40pm	Calcium, soluble/exchangeable	10.1 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	205 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	6.05 mmol/kg	LTM-S-005	0.02
		Nitrate as N	11 mg/g	LTM-S-007	1
		Nitrogen, total	3450 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	11.3 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	58 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.2 pH units	LTM-S-004	
		Potassium	1840 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.84 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.46 mmol/kg	LTM-S-005	0.02

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23Jul-0121	Nicholson Park 07.07.23 1.40pm	Total Kjeldahl Nitrogen	3440 mg/kg	LTM-S-011	2
23Jul-0122	Bradman Oval 07.07.23 1.30pm	Calcium, soluble/exchangeable	6.82 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	324 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	5.10 mmol/kg	LTM-S-005	0.02
		Nitrate as N	6 mg/g	LTM-S-007	1
		Nitrogen, total	2390 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	8.8 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	17 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.0 pH units	LTM-S-004	
		Potassium	1690 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.50 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.93 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2380 mg/kg	LTM-S-011	2
23Jul-0123	Cameron Square 07.07.23 1.10pm	Calcium, soluble/exchangeable	4.67 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	70 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	2.15 mmol/kg	LTM-S-005	0.02
		Nitrate as N	4 mg/g	LTM-S-007	1
		Nitrogen, total	1630 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	6.4 %	* R&L 6G1	0.1

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23Jul-0123	Cameron Square 07.07.23 1.10pm	Extractable Phosphorus (Colwell)	6 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.0 pH units	LTM-S-004	
		Potassium	2140 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	1.01 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	<0.02 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1630 mg/kg	LTM-S-011	2
23Jul-0124	Albert Park 07.07.23 2.30pm	Calcium, soluble/exchangeable	5.62 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	110 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	3.72 mmol/kg	LTM-S-005	0.02
		Nitrate as N	5 mg/g	LTM-S-007	1
		Nitrogen, total	2520 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	8.8 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	16 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.0 pH units	LTM-S-004	
		Potassium	1460 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.87 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	<0.02 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2510 mg/kg	LTM-S-011	2
23Jul-0125	O'Connor Park 07.07.23 11.20am	Calcium, soluble/exchangeable	3.61 mmol/kg	LTM-S-005	0.02

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23Jul-0125	O'Connor Park 07.07.23 11.20am	Conductivity (1:5 soil/water)	69 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	3.02 mmol/kg	LTM-S-005	0.02
		Nitrate as N	<1 mg/g	LTM-S-007	1
		Nitrogen, total	1240 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	4.1 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	60 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.2 pH units	LTM-S-004	
		Potassium	1040 mg/kg	LTM-S-019	20
		Potassium, soluble/exchangeable	0.17 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.09 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1240 mg/kg	LTM-S-011	2
23Jul-0126	Clarke Oval 07.07.23 2.00pm	Calcium, soluble/exchangeable	7.53 mmol/kg	LTM-S-005	0.02
		Conductivity (1:5 soil/water)	160 µS/cm	LTM-S-003	1
		Magnesium, soluble/exchangeable	6.16 mmol/kg	LTM-S-005	0.02
		Nitrate as N	24 mg/g	LTM-S-007	1
		Nitrogen, total	3010 mg/kg	* LTM-S-007 + LTM-S-011	2
		Organic Matter by LOI (% OM)	10.2 %	* R&L 6G1	0.1
		Extractable Phosphorus (Colwell)	124 mg/g	LTM-S-006	5
		pH (1:5 soil/water)	7.0 pH units	LTM-S-004	
		Potassium	2100 mg/kg	LTM-S-019	20



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23Jul-0126	Clarke Oval 07.07.23 2.00pm	Potassium, soluble/exchangeable	1.23 mmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.20 mmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2990 mg/kg	LTM-S-011	2

Note:

* NATA Accreditation does not cover the performance of this service.

Signed Michael Glazier, Laboratory Manager.

All samples analysed as received.
All soil results are reported on a dry basis.
The EAL takes no responsibility for the end use of results within this report.
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