

Cootamundra Gundagai Regional Council

Thursday, March 17, 2022

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: 2202-0083

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<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		17-February-2022
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	Client	17-February-2022

<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>
22Feb-0190	P1 15.02.22 8.05am	Ammonia as N	0.7 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	64.3 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	46 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1750 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	51.5 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Oil & Grease	1 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.17 mg/L	LTM-W-030	0.01
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.2 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	5.9 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	100 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Suspended Solids	5 mg/L	APHA 2540 D	2

22Feb-0191	P12 15.02.22 8.15am	Ammonia as N	0.5 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	4 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	64.7 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	50 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1740 µS/cm	APHA 2510 B	1

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22Feb-0191	P12 15.02.22 8.15am	Magnesium (acid extractable)	51.4 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Oil & Grease	<1 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.16 mg/L	LTM-W-030	0.01
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.3 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	5.7 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	104 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	8 mg/L	LTM-W-034	2
		Total Suspended Solids	7 mg/L	APHA 2540 D	2
22Feb-0192	M1 15.02.22 9.00am	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Faecal coliforms	124 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2300 µS/cm	APHA 2510 B	1
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.1 pH units	APHA 4500-H+ B	
		Total Kjeldahl Nitrogen	<2 mg/L	LTM-W-034	2
		Total Suspended Solids	24 mg/L	APHA 2540 D	2
22Feb-0193	M2 15.02.22 8.40am				

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22Feb-0193	M2 15.02.22 8.40am	Ammonia as N	0.2 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Faecal coliforms	640 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2300 µS/cm	APHA 2510 B	1
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.1 pH units	APHA 4500-H+ B	
		Total Kjeldahl Nitrogen	6 mg/L	LTM-W-034	2
		Total Suspended Solids	39 mg/L	APHA 2540 D	2
22Feb-0194	R3 15.02.22 8.30am	Ammonia as N	0.2 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Faecal coliforms	640 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2240 µS/cm	APHA 2510 B	1
		Nitrate as N	0.1 mg/L	LTM-W-022	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	8.0 pH units	APHA 4500-H+ B	
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Suspended Solids	22 mg/L	APHA 2540 D	2
22Feb-0195	Aeration Lagoon 15.02.22 7.00am	Ammonia as N	2.9 mg/L	LTM-W-042	0.1

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22Feb-0195	Aeration Lagoon 15.02.22 7.00am	Biochemical Oxygen Demand	401 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	152 mg/L	APHA 3030 E/3120 B	2
		Chloride	219 mg/L	APHA 4110 B	0.1
		Faecal coliforms	197000 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1910 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	58.0 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	1.0 mg/L	LTM-W-022	0.1
		Nitrogen, total	128 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	1.4 mg/L	APHA 4110 B	0.1
		Phosphorus, Total	55.7 mg/L	LTM-W-030	0.3
		pH	7.3 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	9.8 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	2 Ratio	LTM-W-039	
		Sodium (acid extractable)	96.8 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1250 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	127 mg/L	LTM-W-034	2
		Total Organic Nitrogen	124 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	2190 mg/L	APHA 2540 D	2
22Feb-0196	Clarifier 15.02.22 7.20am	Ammonia as N	2.8 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	10 mg/L	APHA 5210 B/4500-O G	2

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22Feb-0196	Clarifier 15.02.22 7.20am	Calcium (acid extractable)	114 mg/L	APHA 3030 E/3120 B	2
		Chloride	216 mg/L	APHA 4110 B	0.1
		Faecal coliforms	2860 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1950 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	51.1 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Nitrogen, total	7 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	3.8 mg/L	APHA 4110 B	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	7.4 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	5.9 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	2 Ratio	LTM-W-039	
		Sodium (acid extractable)	101 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1280 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	3 mg/L	LTM-W-034	2
		Total Organic Nitrogen	<2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	7 mg/L	APHA 2540 D	2
22Feb-0197	Maturation Pond 15.02.22 7.45am	Ammonia as N	0.6 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	9 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	78.0 mg/L	APHA 3030 E/3120 B	2

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22Feb-0197	Maturation Pond 15.02.22 7.45am	Chloride	231 mg/L	APHA 4110 B	0.1
		Faecal coliforms	80 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1860 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	53.2 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	<0.1 mg/L	LTM-W-022	0.1
		Nitrogen, total	5 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	0.3 mg/L	APHA 4110 B	0.1
		Phosphorus, Total	<0.01 mg/L	LTM-W-030	0.01
		pH	7.6 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	5.5 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	2 Ratio	LTM-W-039	
		Sodium (acid extractable)	106 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1170 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	5 mg/L	LTM-W-034	2
		Total Organic Nitrogen	4 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	13 mg/L	APHA 2540 D	2

Note:

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

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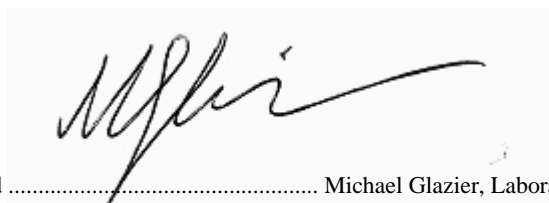
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Signed Michael Glazier, Laboratory Manager.



*All samples analysed as received.
All soil results are reported on a dry basis.
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