

Cootamundra Gundagai Regional Council

Monday, December 5, 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: 2209-0103

Page 1 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		28-September-2022
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	D. Kelly	28-September-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>
22Sep-0272	P1 27.09.22	Ammonia as N	0.4 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	18 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	107 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	10 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1850 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	61.8 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	3.2 mg/L	LTM-W-022	0.1
		Oil & Grease	1 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.23 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.25 mg/L	LTM-W-030	0.01
		pH	7.8 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	11.5 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	149 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	<2 mg/L	LTM-W-034	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2

22Sep-0273	P2 27.09.22	Ammonia as N	0.4 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	23 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	106 mg/L	APHA 3030 E/3120 B	2
		Faecal coliforms	6 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	1860 µS/cm	APHA 2510 B	1

Cootamundra Gundagai Regional Council

Monday, December 5, 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: 2209-0103

Page 2 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		28-September-2022

<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	D. Kelly	28-September-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>
22Sep-0273	P2 27.09.22	Magnesium (acid extractable)	61.8 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	3.2 mg/L	LTM-W-022	0.1
		Oil & Grease	3 mg/L	APHA 5520 D	1
		Ortho-Phosphate as P	0.23 mg/L	LTM-W-030	0.01
		Phosphorus, Total	0.28 mg/L	LTM-W-030	0.01
		pH	8.6 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	11.6 mg/L	APHA 3030 E/3120 B	2
		Sodium (acid extractable)	146 mg/L	APHA 3030 E/3120 B	2
		Total Kjeldahl Nitrogen	<2 mg/L	LTM-W-034	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2
22Sep-0274	Aeration Lagoon 27.09.22	Ammonia as N	<0.1 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	547 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	190 mg/L	APHA 3030 E/3120 B	2
		Chloride	303 mg/L	APHA 4110 B	0.1
		Faecal coliforms	4700 mg/L	* AS/NZS 4276.7:2007	0.1
		Conductivity	2250 mg/L	APHA 2510 B	0.1
		Magnesium (acid extractable)	88.5 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	2.7 mg/L	LTM-W-022	0.1
		Nitrogen, total	99 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	1 mg/L	LTM-W-014	0.1

Cootamundra Gundagai Regional Council

Monday, December 5, 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: 2209-0103

Page 3 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>			
		28-September-2022			
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>			
Water	D. Kelly	28-September-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>
22Sep-0274	Aeration Lagoon 27.09.22	Nitrate/Nitrite as N	2.7 mg/L	LTM-W-014	0.1
		Phosphorus, Total	42.3 mg/L	LTM-W-030	3
		pH	8.0 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	23.7 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	3 Ratio	LTM-W-039	
		Sodium (acid extractable)	225 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1510 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	96 mg/L	LTM-W-034	2
		Total Organic Nitrogen	96 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	1730 mg/L	APHA 2540 D	2
22Sep-0275	Clarifier 27.09.22	Ammonia as N	1.0 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	13 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	151 mg/L	APHA 3030 E/3120 B	2
		Chloride	300 mg/L	APHA 4110 B	0.1
		Faecal coliforms	6200 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2300 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	81.0 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	2.8 mg/L	LTM-W-022	0.1
		Nitrogen, total	5 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	1 mg/L	LTM-W-014	0.1

Cootamundra Gundagai Regional Council

Monday, December 5, 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: 2209-0103

Page 4 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		28-September-2022
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	D. Kelly	28-September-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>
22Sep-0275	Clarifier 27.09.22	Nitrate/Nitrite as N	2.8 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.51 mg/L	LTM-W-030	0.01
		pH	8.1 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	12.1 mg/L	APHA 3030 E/3120 B	2
		Sodium Adsorption Ratio	4 Ratio	LTM-W-039	
		Sodium (acid extractable)	224 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1460 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Organic Nitrogen	<2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	8 mg/L	APHA 2540 D	2
22Sep-0276	Maturation Pond 27.09.22	Ammonia as N	0.8 mg/L	LTM-W-042	0.1
		Biochemical Oxygen Demand	<2 mg/L	APHA 5210 B/4500-O G	2
		Calcium (acid extractable)	136 mg/L	APHA 3030 E/3120 B	2
		Chloride	259 mg/L	APHA 4110 B	0.1
		Faecal coliforms	68 cfu/100mL	* AS/NZS 4276.7:2007	
		Conductivity	2020 µS/cm	APHA 2510 B	1
		Magnesium (acid extractable)	72.9 mg/L	APHA 3030 E/3120 B	2
		Nitrate as N	3.9 mg/L	LTM-W-022	0.1
		Nitrogen, total	6 mg/L	* APHA 4500-Norg B + 4110 B	2
		Nitrate/Nitrite as N	1 mg/L	LTM-W-014	0.1

Cootamundra Gundagai Regional Council

Monday, December 5, 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: 2209-0103

Page 5 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>
		28-September-2022
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Water	D. Kelly	28-September-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>
22Sep-0276	Maturation Pond 27.09.22	Nitrate/Nitrite as N	3.9 mg/L	LTM-W-014	0.1
		Phosphorus, Total	0.34 mg/L	LTM-W-030	0.01
		pH	8.2 pH units	APHA 4500-H+ B	
		Potassium (acid extractable)	12.7 mg/L	APHA 3030 E/3120 B	22
		Sodium Adsorption Ratio	4 Ratio	LTM-W-039	
		Sodium (acid extractable)	210 mg/L	APHA 3030 E/3120 B	2
		Total Dissolved Solids	1390 mg/L	LTM-W-035	2
		Total Kjeldahl Nitrogen	2 mg/L	LTM-W-034	2
		Total Organic Nitrogen	<2 mg/L	* APHA 4500 Norg B - APHA 4500-NH3 G	2
		Total Suspended Solids	<2 mg/L	APHA 2540 D	2

Note:

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

Cootamundra Gundagai Regional Council

Monday, December 5, 2022

PO Box 420

Cootamundra NSW 2590

Attention: Andrew Brock



NATA Accredited Laboratory
Number: 9597

Accredited for compliance with
ISO/IEC 17025 - Testing

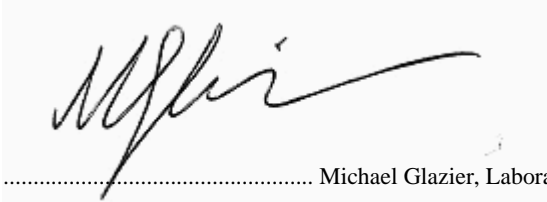
LABORATORY ANALYSIS REPORT

Report Number: 2209-0103

Page 6 of 6

For all enquiries related to this report please quote document number: 2209-0103

<u>Facility:</u>	<u>Order #</u>	<u>Date Analysis Commenced</u>			
		28-September-2022			
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>			
Water	D. Kelly	28-September-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>

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.
This report shall not be reproduced except in full.
This report replaces any previously issued report*