

Water - Certificate of Analysis - E26-00-5380

Client:	Clarrich Farms Pty Ltd	Laboratory:	Environmental Analysis Laboratory
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Customer reference:	P3-CR Upstream- P7- Lagoon	Request ID:	EAL /E26-00-5380
Number of samples:	4	Report ID:	E26-00-5380_EALP3_1
Date samples received:	27 May 2026	Issue date:	03 June 2026

Authorised by:	Alex Smith
Position:	Senior Technical Officer



Comments: EAL is a NATA accredited laboratory (14960), accredited for compliance with ISO/IEC 17025 - Testing.

Certificate of Analysis

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Client Sample ID:				P3- CR Upstream	P4- CR Downstream	P5- Effluent D	P7 - Lagoon
Sample Date:				27 May 2026	27 May 2026	27 May 2026	27 May 2026
Sample Time:				8:00am	8:20am	8:40am	8:30am
EAL Sample ID:				E26-00-5380-0001	E26-00-5380-0002	E26-00-5380-0003	E26-00-5380-0004
Parameter	Unit	Method Reference	LOR	---	---	---	---
pH	---	APHA 4500-H+ B	---	7.04	6.97	7.87	7.32
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.214	0.209	7.88	0.885
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	146	142	5357	602
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	56	54	4372	89
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	53	51	303	65
Sodium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	23.2	22.4	238	151
Potassium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	2.51	2.43	659	15.9
Calcium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	11.0	10.6	68.7	8.80
Magnesium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	6.24	5.90	31.9	10.4
Chloride	mg/L	Total Available - APHA 3125 ICPMS	<10	33.8	31.7	577	238
Sulfate	mg/L SO ₄	Total Available - APHA 3125 ICPMS	<9	< 9	< 9	97.5	17.6
Chloride/Sulfate Ratio	---	Total Available - APHA 3125 ICPMS	---	n.a.	n.a.	5.9	14
Sodium Absorption Ratio	---	** Calculation	---	1.4	1.4	5.9	8.2
Phosphate	mg/L P	APHA 4500 P-G	<0.005	0.025	0.028	30.4	1.95
Nitrate	mg/L N	APHA 4500 NO ₃ -F	<0.005	0.116	0.109	<0.05	0.087
Nitrite	mg/L N	APHA 4500 NO ₂ -I	<0.005	0.006	0.006	0.068	0.022
Ammonia	mg/L N	APHA 4500 NH ₃ -H	<0.005	0.042	0.035	861	1.96
Total Phosphorus	mg/L P	Inhouse W4	<0.01	0.095	0.093	60.5	4.16
Total Nitrogen	mg/L N	Inhouse W4	<0.01	0.654	0.673	873	6.08
Total Oils and Grease	mg/L	APHA 5520-D (hexane extractable)	<2	< 2	2.40	16.7	< 2
Biochemical Oxygen Demand (BOD ₅)	mg/L O ₂	APHA 5210-B	<1	1.50	1.15	289	17.5
Faecal Coliforms	cfu/100 mL	APHA 9222-D	<1	1050	3000	1140	18000
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	---	---	647	---
Total Dissolved Solids	mg/L	** APHA 2540C - Evaporation of filtrate	<1	---	---	3013	---

Notes:

- ** denotes NATA accreditation does not cover the performance of this service.
- .. denotes not requested, no data/information or no guidelines available.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (available on request or at scu.edu.au/eal).
- Analysis conducted between sample arrival date and reporting date.
- This report is not to be reproduced except in full.
- Results only relate to the item tested.
- Analysis performed according to APHA. 2017. Standard Methods for the Examination of Water & Wastewater, 23rd Edition. Except where stated otherwise.
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1:3 Nitric/HCl digest analysed in accordance with APHA 3125 ICPMS.
- mg/L = ppm

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- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.