

Water - Certificate of Analysis - E26-00-7766

Client:	Clarrich Farms Pty Ltd	Laboratory:	Environmental Analysis Laboratory
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Customer reference:	C-Tabulam EUA1-EPL Point 3,4,5 & 7	Request ID:	EAL /E26-00-7766
Number of samples:	4	Report ID:	E26-00-7766_EALP1_1
Date samples received:	29 July 2026	Issue date:	04 August 2026

Authorised by:	Nick Ward
Position:	Technical Specialist – Laboratory Client Services



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 (Billabong on bottles)
Sample Date:				27 July 2026	27 July 2026	27 July 2026	27 July 2026
Sample Time:				12:00pm	12:15pm	12:40pm	13:00pm
EAL Sample ID:				E26-00-7766-0001	E26-00-7766-0002	E26-00-7766-0003	E26-00-7766-0004
Parameter	Unit	Method Reference	LOR	---	---	---	---
pH	---	APHA 4500-H+ B	---	7.25	7.30	7.87	7.33
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.225	0.227	8.76	1.18
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	153	154	5960	804
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	61	61	4368	131
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	67	67	230	105
Sodium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	24.9	25.3	235	202
Potassium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	2.80	2.53	639	25.6
Calcium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	13.6	13.4	59.5	16.4
Magnesium	mg/L	Total Available - APHA 3125 ICPMS	<0.5	7.97	8.16	19.8	15.6
Chloride	mg/L	Total Available - APHA 3125 ICPMS	<10	35.9	34.7	443	288
Sulfate	mg/L SO ₄	Total Available - APHA 3125 ICPMS	<9	10.7	10.2	119	46.2
Chloride/Sulfate Ratio	---	Total Available - APHA 3125 ICPMS	---	3.4	3.4	3.7	6.2
Sodium Absorption Ratio	---	** Calculation	---	1.3	1.3	6.7	8.6
Total Phosphorus	mg/L P	Inhouse W4	<0.01	0.092	0.075	43.4	4.39
Total Nitrogen	mg/L N	Inhouse W4	<0.01	0.832	0.561	884	12.5
Phosphate	mg/L P	APHA 4500 P-G	<0.005	0.014	0.025	32.3	1.01
Nitrate	mg/L N	APHA 4500 NO ₃ -F	<0.005	0.074	0.104	< 0.005	0.019
Nitrite	mg/L N	APHA 4500 NO ₂ -I	<0.005	0.006	0.006	0.006	0.018
Ammonia	mg/L N	APHA 4500 NH ₃ -H	<0.005	0.029	0.025	720	7.66
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	---	---	527	---
Total Oils and Grease	mg/L	APHA 5520-D (hexane extractable)	<2	< 2	< 2	---	6.40
Total Oils and Grease	mg/L	APHA 5520-D (hexane extractable)	<2	---	---	14.0	---
Biochemical Oxygen Demand (BOD ₅)	mg/L O ₂	APHA 5210-B	<1	1.60	< 1	---	19.4
Faecal Coliforms	cfu/100 mL	APHA 9222-D	<1	770	100	---	16000
Biochemical Oxygen Demand (BOD ₅)	mg/L O ₂	APHA 5210-B	<1	---	---	555	---
Total Dissolved Solids	mg/L	** APHA 2540C - Evaporation of filtrate	<1	---	---	2417	---
Faecal Coliforms	cfu/100 mL	APHA 9222-D	<1	---	---	1510000	---

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.

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Notes:

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