

Water & Effluent - Certificate of Analysis - E26-00-1353

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|-------------------|--|--------------------|---|
| Client: | Clarrich Farms Pty Ltd | Laboratory: | Environmental Analysis Laboratory |
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|-------------------------------|----------------------------|--------------------|---------------------|
| Customer reference: | P3-CR Upstream - P7-Lagoon | Request ID: | EAL/E26-00-1353 |
| Number of samples: | 4 | Report ID: | E26-00-1353_EALP3_1 |
| Date samples received: | 11 February 2026 | Issue date: | 25 February 2026 |

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| 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

Request ID: EAL/E26-00-1353 Report ID: E26-00-1353_EALP3_1 Issue date: 25 February 2026

| | | | | Client Sample ID: | P3-CR Upstream | P4-CR Downstream | P5-Effluent D. | P7-Lagoon |
|---|-----------------------------------|---|--------|-------------------|------------------|------------------|------------------|------------------|
| | | | | Sample Date: | 11 February 2026 | 11 February 2026 | 11 February 2026 | 11 February 2026 |
| | | | | Sample Time: | 11:00 | 11:15 | 11:25 | 11:30 |
| | | | | EAL Sample ID: | E26-00-1353-0001 | E26-00-1353-0002 | E26-00-1353-0003 | E26-00-1353-0004 |
| Parameter | Unit | Method Reference | LOR | --- | --- | --- | --- | --- |
| pH | --- | APHA 4500-H+ B | --- | 7.35 | 7.10 | 8.00 | 7.34 | |
| Electrical Conductivity | dS/m | APHA 2510-B | <0.01 | 0.257 | 0.254 | 8.69 | 1.39 | |
| Total Dissolved Salts (Calculation EC x 680) | mg/L | APHA 2510-B | <7 | 175 | 173 | 5911 | 942 | |
| Total Alkalinity | mg CaCO ₃ /L | ** APHA 2320 | <1 | 70 | 70 | 4525 | 106 | |
| Water Hardness | mg/L CaCO ₃ equivalent | ** Calculation using Ca and Mg | <1 | 72 | 68 | 607 | 90 | |
| Sodium | mg/L | Total Available - APHA 3125 ICPMS | <0.5 | 30.4 | 28.3 | 259 | 233 | |
| Potassium | mg/L | Total Available - APHA 3125 ICPMS | <0.5 | 2.79 | 2.57 | 756 | 21.5 | |
| Calcium | mg/L | Total Available - APHA 3125 ICPMS | <0.5 | 14.2 | 13.5 | 112 | 12.5 | |
| Magnesium | mg/L | Total Available - APHA 3125 ICPMS | <0.5 | 8.91 | 8.32 | 79.4 | 14.3 | |
| Chloride | mg/L | Total Available - APHA 3125 ICPMS | <10 | 46.0 | 24.7 | 701 | 369 | |
| Sulfate | mg/L SO ₄ | Total Available - APHA 3125 ICPMS | <9 | < 9 | < 9 | 64.6 | < 9 | |
| Chloride/Sulfate Ratio | --- | Total Available - APHA 3125 ICPMS | --- | n.a. | n.a. | 11 | n.a. | |
| Sodium Absorption Ratio | --- | ** Calculation | --- | 1.6 | 1.5 | 4.6 | 11 | |
| Total Phosphorus | mg/L P | Inhouse W4 | <0.01 | 0.020 | 0.020 | 219 | 3.69 | |
| Total Nitrogen | mg/L N | Inhouse W4 | <0.01 | 0.336 | 0.407 | 2220 | 7.14 | |
| Phosphate | mg/L P | APHA 4500 P-G | <0.005 | 0.008 | 0.008 | 76.2 | 1.94 | |
| Nitrate | mg/L N | APHA 4500 NO ₃ -F | <0.005 | 0.031 | 0.029 | 0.108 | < 0.005 | |
| Nitrite | mg/L N | APHA 4500 NO ₂ -I | <0.005 | < 0.005 | < 0.005 | 0.122 | < 0.005 | |
| Ammonia | mg/L N | APHA 4500 NH ₃ -H | <0.005 | 0.013 | 0.012 | 1860 | 2.02 | |
| Total Oils and Grease | mg/L | APHA 5520-D (hexane extractable) | <2 | < 2 | < 2 | 47.0 | < 2 | |
| Biochemical Oxygen Demand (BOD ₅) | mg/L O ₂ | APHA 5210-B | <1 | 1.65 | 1.55 | 886 | 9.75 | |
| Faecal Coliforms | cfu/100 mL | APHA 9222-D | <1 | 760 | 400 | 310000 | 92000 | |
| Total Suspended Solids | mg/L | GFC equiv. filter - APHA 2540-D | <1 | --- | --- | 1420 | --- | |
| Total Dissolved Solids | mg/L | ** APHA 2540C - Evaporation of filtrate | <1 | --- | --- | 3840 | --- | |

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