

Water - Certificate of Analysis - E25-00-6287

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Lab Results	Contact:	EAL Customer Service Team
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Customer reference:	RVC Raw & Finished Weekly 10/06/25	Request ID:	EAL/E25-00-6287
Number of samples:	2	Report ID:	E25-00-6287_EALP3_1
Date samples received:	10 June 2025	Issue date:	24 June 2025

Authorised by:	Alex Smith
Position:	Senior Technical Officer



Accreditation No. 14960

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

Certificate of Analysis

Request ID: EAL/E25-00-6287 Report ID: E25-00-6287_EALP3_1 Issue date: 24 June 2025

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	10 June 2025	10 June 2025
				Sample Time:	10:40	10:10
				Sampled By:	MM	MM
				EAL Sample ID:	E25-00-6287-0001	E25-00-6287-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	7.12	7.38	7.38
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.276	0.218	0.218
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	188	148	148
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	< 1	27	27
Turbidity	NTU	APHA 2130	<1	< 1	38	38
True Colour	PtCo	** APHA 2120	<5	< 5	26	26
Apparent Colour	PtCo	** APHA 2120	<5	< 5	332	332
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	107	110	110
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	103	105	105
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	7100	7100
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	200	200
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.58	3.68	3.68
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	21.5	21.8	21.8
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	11.6	11.9	11.9
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.031	0.072	0.072
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.008	0.192	0.192
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.014	0.014
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.030	0.301	0.301
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	0.996	0.996
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	0.055	0.055
Total Plate Count	cfu/ml	** Inhouse	<1	< 1	---	---

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