

## Water - Certificate of Analysis - E25-00-5784

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Lab Results	Contact:	EAL Customer Service Team
Address:	Locked Bag 10, NSW 2470, Australia	Address:	Military Road, East Lismore NSW 2480, Australia
Telephone:	02 6660 0341	Telephone:	(02) 6620 3678
Email:	rwresults@richmondvalley.nsw.gov.au	Email:	eal@scu.edu.au

Customer reference:	RVC Raw & Finished Weekly	Request ID:	EAL/E25-00-5784
Number of samples:	2	Report ID:	E25-00-5784_EALP3_1
Date samples received:	27 May 2025	Issue date:	24 June 2025

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/E25-00-5784 Report ID: E25-00-5784\_EALP3\_1 Issue date: 24 June 2025

Client Sample ID:				RVC Finished	RVC Raw
Sample Date:				27 May 2025	27 May 2025
Sample Time:				11:25am	11:10am
Sampled By:				A.H	A.H
EAL Sample ID:				E25-00-5784-0001	E25-00-5784-0002
Parameter	Unit	Method Reference	LOR	---	---
pH	---	APHA 4500-H+ B	---	7.10	7.27
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.275	0.237
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	187	161
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	< 1	31
Turbidity	NTU	APHA 2130	<1	< 1	48
True Colour	PtCo	** APHA 2120	<5	< 5	24
Apparent Colour	PtCo	** APHA 2120	<5	8	332
Total Alkalinity	mg CaCO <sub>3</sub> /L	** APHA 2320	<1	102	107
Water Hardness	mg/L CaCO <sub>3</sub> equivalent	** Calculation using Ca and Mg	<1	101	99
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	6500
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	90
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	1.77	3.45
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	20.7	21.7
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	11.0	11.6
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.037	0.080
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	0.225
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.002
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.039	0.333
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	0.964
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.002	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](http://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