

Certificate of Analysis E25-00-1529

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

Customer reference:	RVC Raw & Finished Weekly	Request ID:	EAL/E25-00-1529
Number of samples:	2	Report ID:	E25-00-1529_EALP3_1
Date samples received:	11 February 2025	Issue date:	03 March 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/E25-00-1529 Report ID: E25-00-1529_EALP3_1 Issue date: 03 March 2025

				Client Sample ID:	RVC Finished	RVC Raw
				Sample Date:	11 February 2025	11 February 2025
				Sample Time:	10:15	9:45
				Sampled By:	RG	RG
				EAL Sample ID:	E25-00-1529-0001	E25-00-1529-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	7.19	7.44	---
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.249	0.215	---
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	169	146	---
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	< 1	29	---
Apparent Colour	PtCo	** APHA 2120	<5	< 5	214	---
True Colour	PtCo	** APHA 2120	<5	< 5	27	---
Turbidity	NTU	APHA 2130	<1	< 1	26	---
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	101	109	---
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	3.29	1.42	---
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.053	0.400	---
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.008	0.767	---
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	0.141	---
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	21.3	21.0	---
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	12.0	12.3	---
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.051	0.017	---
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.011	0.055	---
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.031	---
Total Plate Count	cfu/ml	** Inhouse	<1	< 1	---	---
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	2080	---
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	20	---
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	103	103	---

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