

Certificate of Analysis E24-00-1125

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:	PO Box 157, 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/E24-00-1125
Number of samples:	2	Report ID:	E24-00-1125_EALP3_1
Date samples received:	19 November 2024	Issue date:	05 December 2024

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/E24-00-1125 Report ID: E24-00-1125_EALP3_1 Issue date: 05 December 2024

				Client Sample ID:	RVC finished	RVC raw
				Sample Date:	19 November 2024	19 November 2024
				Sampled By:	MM	MM
				EAL Sample ID:	E24-00-1125-0001	E24-00-1125-0002
Parameter	Unit	Method Reference	LOR	---	---	---
pH	---	APHA 4500-H+ B	---	7.29	7.26	7.26
Electrical Conductivity	dS/m	APHA 2510-B	<0.01	0.384	0.160	0.160
Total Dissolved Salts (Calculation EC x 680)	mg/L	APHA 2510-B	<7	261	109	109
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540-D	<1	3	473	473
Turbidity	NTU	APHA 2130	<1	< 1	710	710
True Colour	PtCo	** APHA 2120	<5	< 5	70	70
Apparent Colour	PtCo	** APHA 2120	<5	< 5	6000	6000
Total Alkalinity	mg CaCO ₃ /L	** APHA 2320	<1	72	84	84
Water Hardness	mg/L CaCO ₃ equivalent	** Calculation using Ca and Mg	<1	80	49	49
Total Plate Count	cfu/ml	** Inhouse	<1	2	38000	38000
Total Coliforms	cfu/100 mL	APHA 9222-B	<1	< 1	750000	750000
E.Coli	cfu/100 mL	ColiBlue Membrane Filtration	<1	< 1	120000	120000
Total Organic Carbon	mg/L	** APHA 5310-B	<0.1	2.06	12.2	12.2
Calcium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	16.9	9.75	9.75
Magnesium	mg/L	Dissolved - APHA 3125 ICPMS	<0.5	9.27	5.88	5.88
Aluminium	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	0.012	0.364	0.364
Iron	mg/L	Dissolved - APHA 3125 ICPMS	<0.005	< 0.005	0.545	0.545
Manganese	mg/L	Dissolved - APHA 3125 ICPMS	<0.001	< 0.001	0.003	0.003
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.015	9.64	9.64
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	< 0.005	24.4	24.4
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.006	1.99	1.99