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Food & Water Testing

ANALYTICAL REPORT

REPOF	RT CODE	AR-25-NC-01	2132-01	REPORT DATE	30/04/2025
Attentior	Otago Regional Council compliance Private Bag 1954				
	9054 DUNEDIN				
	NEW ZEALAN	D			
Phone	(0800) 474 082			Copy to: regulatory (
Email					
	for your orders:			Order code:	EUNZCH-00215116
Contrac Submiss	t: ion Reference:	Shotover WWTP	to Shotover River	Purchase Order Number:	
		Emergency Discharge to Shotover River			
	E CODE	817-2025-000412	09		
Sample Sample	Name Reference	GT7800RC U/S WWTP and SH6 E	Bridge		
	on Date & Time:	22/04/2025 13:20	-	Reception temperature:	12.8 °C
-	s Started on:	22/04/2025		Analysis Ending Date:	30/04/2025
Product Samplec	I Date & Time	Surface water, raw wa 22/04/2025 11:02	ter	Sampler(s)	
Gumpled		RESULT	S	LOQ	
ส์มดองห	Ammoniacal Nitr	ogen by Discrete Anal		LUQ	
BINCOAN	Ammonia nitrogen	<0.01	mg/l	0.01	
୭ NW 340	Chlorophyll a	<0.01	111 <u>6</u> /1	0.01	
91110-10	Chlorophyll A	<1.9	μg/I	1.9	
*ZMJU7		scherichia coli by Me	herichia coli by Membrane Filtration		
	Escherichia coli	11	cfu/100 ml	1	
*NCOAF	pH in Water by M	anual Electrode (Teste	d beyond 15 min	ute APHA holding time)	
	рН	7.9		0.1	
*NC05B	Total Biochemica	l Oxygen Demand (TB	OD 5 Days) by El	ectrode	
	Biochemical oxygen (BOD)				
*NСОЗМ		Water by Discrete Ana	lyser (Trace)		
+	Total Nitrogen (N)	0.07	mg/l	0.01	
*NC04C		trogen in Water by Dis	-		
*	Total Oxidised Nitrog		mg/l	0.01	
*NC76G	-	s in Water by Discrete			
*	Total phosphorus	0.01	mg/l	0.01	
*NCOAE	•	Solids in Water by Gra	-	<u> </u>	
ส้มควาค	Suspended Solids	8.3	mg/l	2.5	
@ [*] NC03Q	Turbidity in Wate	r by Nephelometry 5.6	NTU	0.1	
	rurbiuity	5.0	NIU	0.1	





Christchurch 7614

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Food & Water Testing

SAMPL	E CODE	817-2025-00041210)			
Sample		GT779ORC				
Sample Reference		Final Discharge Post UV				
Reception Date & Time: Analysis Started on:		22/04/2025 13:20		Reception temperature:	12.8 °C	
		22/04/2025		Analysis Ending Date:	29/04/2025	
Product	• •	Treated Effluent		Sampler(s)		
Sampleo	I Date & Time	22/04/2025 13:00				
		RESULTS		LOQ		
⊚ [*] NCOAK	Ammoniacal Nitrogen by Discrete Analyser					
•	Ammonia nitrogen	8.81	mg/l	0.01		
୭.NW340	Chlorophyll a	0.01		0.01		
@1111340	Chlorophyll A	128	ug/l	1.0		
*			µg/l	1.9		
*ZMJU7		scherichia coli by Memb				
L.	Escherichia coli	13	cfu/100 ml	1		
*NCOAF	pH in Water by Ma		beyond 15 mi	nute APHA holding time)		
	pН	7.2		0.1		
[*] NC05B	Total Biochemica	l Oxygen Demand (TBOI	0 5 Days) by E	Electrode		
	Biochemical oxygen o	demand 10	mg/l	2		
	(BOD)					
*NC03М	Total Nitrogen in	Water by Discrete Analys	ser (Trace)			
	Total Nitrogen (N)	17.0	mg/l	0.01		
*NCO4C	Total Oxidised Nit	trogen in Water by Discr	ete Analyser			
	Total Oxidised Nitrog		mg/l	0.01		
*NC76G	-	in Water by Discrete An				
10700	Total phosphorus	1.84) 0.01		
*			0	0.01		
NCOAE		Solids in Water by Gravi				
÷	Suspended Solids	13.5	mg/l	2.5		
@NC03Q	Turbidity in Water	r by Nephelometry				
	Turbidity	7.2	NTU	0.1		
SAMPL	E CODE	817-2025-00041211	-			
Sample		GT7810RC				
-	Reference	Shotover WWTP Discharg	ge to Shotover			
	on Date & Time:	22/04/2025 13:20		Reception temperature:	12.8 °C	
-	s Started on:	22/04/2025		Analysis Ending Date:	29/04/2025	
Product	• •	Surface water, raw water		Sampler(s)		
Sampled	I Date & Time	22/04/2025 12:31				1
		RESULTS		LOQ		
© [®] NC0AK	Ammoniacal Nitro	ogen by Discrete Analyse	er			
	Ammonia nitrogen	8.40	mg/l	0.01		
@NW340	Chlorophyll a					
	Chlorophyll A	164	µg/l	1.9		
*ZMJU7		scherichia coli by Memb				
	Escherichia coli	11	cfu/100 ml	1		
*NCOAF				nute APHA holding time)		
NCOAI		7.4	beyond 15 mi			
*NC05B	pH			0.1		
NC02B		I Oxygen Demand (TBOI				
	Biochemical oxygen ((BOD)	demand 15	mg/l	2		
					1 0 040 5007	
Eurofins E 43 Detroit	LS Limited	Eurofins ELS Lim 142 Esk Street	lited	Phone (Christchurch) +64 Phone (Invercargill)	+ 3 343 3227	CCREDITED
Rolleston	DINC	Invercargill 9810		www.eurofins.co.nz	ALL ALL	P
Christchur	-ch 761/				ilac MDA	



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		RESULT	S	LOQ				
*NCO3M	Total Nitragon in M	Vater by Discrete Ana		204				
NCUSIN	Total Nitrogen (N)	17.2	mg/l	0.01				
*NC04C	-		0					
NC040	Total Oxidised Nitroge	rogen in Water by Dis n 4.1	mg/l	0.01				
*NC76G	-		0					
NC/0G	Total phosphorus	in Water by Discrete A	mg/l	0.01				
*NCOAE		Solids in Water by Gra	0.01					
NCUAL	Suspended Solids	23.5						
© [*] NC03Q	-		mg/l	2.5				
anco2d	,	10	NTU	0.4				
	Turbidity	10	NTU	0.1				
CAMP	E CODE	817-2025-000412	10					
			12					
Sample Sample	Name Reference	GT7820RC	lischarge Shoto	ver River				
•	on Date & Time:	Approx 200m D/S of discharge Shotover 22/04/2025 13:20		Reception temperature:	12.8 °C			
	s Started on:	22/04/2025		Analysis Ending Date:	29/04/2025			
Product	Туре	Surface water, raw wa	ter	Sampler(s)				
Sampled	Date & Time	22/04/2025 12:20						
		RESULT	S	LOQ				
₫ NCOAK	Ammoniacal Nitro	gen by Discrete Analy	/ser					
•	Ammonia nitrogen	0.64	mg/l	0.01				
2NW340	_		C					
•	Chlorophyll A	15.1	μg/l	1.9				
*ZMJU7	Enumeration of Escherichia coli by Membrane Filtration							
	Escherichia coli	9	cfu/100 m					
*NCOAF		ual Electrode (Tested beyond 15 minute APHA holding time)						
	pH	7.7		0.1				
*NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode							
	Biochemical oxygen de		mg/l	2				
	(BOD)							
*NC03M	Total Nitrogen in Water by Discrete Analyser (Trace)							
	Total Nitrogen (N)	1.23	mg/l	0.01				
*NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser		r					
	Total Oxidised Nitrogen 0.34 mg/l			0.01				
*NC76G	Total Phosphorus in Water by Discrete Analyser (Trace)							
	Total phosphorus	0.15	mg/l	0.01				
*NCOAE	Total Suspended S	Solids in Water by Gra	avimetry					
	Suspended Solids	9.2	mg/l	2.5				
℗ [*] NC03Q								
	Turbidity	· · ·	NTU					

SAMPLE CODE 817-2025-00041213 Sample Name Sample Reference Reception Date & Time: Analysis Started on: **Product Type** Sampled Date & Time

GT7840RC U/S of Kawarau River 22/04/2025 13:20 22/04/2025 Surface water, raw water 22/04/2025 11:55

Reception temperature: Analysis Ending Date: Sampler(s)

12.8 °C 30/04/2025

Eurofins ELS Limited 43 Detroit Drive Rolleston Christchurch 7614 NEW ZEALAND

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Food & Water Testing

		RESUL	.TS	LOQ		
9 [*] NCOAK	Ammoniacal Nitro	ogen by Discrete Ana	llyser			
	Ammonia nitrogen	<0.01	mg/l	0.01		
2NW340	Chlorophyll a					
	Chlorophyll A	<1.9	μg/l	1.9		
*ZMJU7	Enumeration of E	scherichia coli by Me	embrane Filtrati	on		
	Escherichia coli	28	cfu/100 ml	1		
*NCOAF	pH in Water by Manual Electrode (Tested beyond 15 m			ninute APHA holding time)		
	pH	7.7		0.1		
*NC05B	•		BOD 5 Dave) by			
HOUGH	Total Biochemical Oxygen Demand (TBOD 5 Days) byBiochemical oxygen demand<2		2			
	(BOD)		2			
*NC03М	Total Nitrogen in	Water by Discrete An	alyser (Trace)			
	Total Nitrogen (N)	0.04	mg/l	0.01		
*NC04C	Total Oxidised Nit	trogen in Water by Di	iscrete Analyser			
	Total Oxidised Nitrog	•	mg/l	0.01		
*NC76G	-	s in Water by Discrete	0			
1107 00	Total phosphorus	<0.01	mg/l	0.01		
*NCOAE		Solids in Water by G	6	0.01		
NOUAL	Suspended Solids	<2.5	mg/l	2.5		
₫NC03Q	·	r by Nephelometry	1118/1	2.5		
BUCODA	•	• • •				
	Turbidity	0 6				
	Turbidity	0.5	NTU	0.1		
SAMPLI				0.1		
	E CODE	817-2025-00041		0.1		
Sample	E CODE		214	0.1		
Sample Sample	E CODE Name	817-2025-00041	214	0.1 Reception temperature:	12.8 °C	
Sample Sample Sample Receptic	E CODE Name Reference on Date & Time: s Started on:	817-2025-00041 GT7830RC D/S of Kawarau Rive	214		12.8 °C 30/04/2025	
Sample Sample Receptic Analysis Product	E CODE Name Reference on Date & Time: Started on: Type	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w	214 r vater	Reception temperature:		
Sample Sample Receptic Analysis Product	E CODE Name Reference on Date & Time: s Started on:	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025	214 r vater	Reception temperature: Analysis Ending Date:		
Sample Sample Receptic Analysis Product Sampled	E CODE Name Reference on Date & Time: s Started on: Type Date & Time	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL	214 r vater TS	Reception temperature: Analysis Ending Date:		
Sample Sample Receptic Analysis Product Sampled	E CODE Name Reference on Date & Time: s Started on: Type Date & Time	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22	214 r vater TS	Reception temperature: Analysis Ending Date: Sampler(s)		
Sample Sample Receptic Analysis Product Sampled	E CODE Name Reference on Date & Time: s Started on: Type Date & Time	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL	214 r vater TS	Reception temperature: Analysis Ending Date: Sampler(s)		
Sample Sample Receptic Analysis Product Sampled ^(*) NCOAK	E CODE Name Reference on Date & Time: Started on: Type Date & Time Ammoniacal Nitre	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL	214 r vater TS ilyser	Reception temperature: Analysis Ending Date: Sampler(s) LOQ		
Sample Sample Receptic Analysis Product Sampled ^(*) NCOAK	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL	214 r vater TS ilyser	Reception temperature: Analysis Ending Date: Sampler(s) LOQ		
Sample Sample Receptic Analysis Product Sampled DNCOAK 2NW340	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A	817-2025-00041 GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL ogen by Discrete Ana 0.03	214 r r vater TS Ilyser mg/l µg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9		
Sample Sample Receptic Analysis Product Sampled NCOAK 2 NW340	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9	214 r r vater TS Ilyser mg/l µg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9		
Sample Sample Receptic Analysis Product Sampled *NCOAK 2NW340 *ZMJU7	E CODE Name Reference on Date & Time: s Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Me	214 r vater .TS llyser mg/l µg/l embrane Filtratio cfu/100 ml	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 DN 1		
Sample Sample Receptic Analysis Product Sampled *NCOAK 2NW340 *ZMJU7	E CODE Name Reference on Date & Time: s Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Me	214 r vater .TS llyser mg/l µg/l embrane Filtratio cfu/100 ml	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on		
Sample Sample Receptic Analysis Product Sampled NCOAK NW340 *ZMJU7 *NCOAF	E CODE Name Reference on Date & Time: s Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Ma 11 anual Electrode (Test 7.9	214 r vater TS llyser mg/l µg/l embrane Filtration cfu/100 ml ted beyond 15 m	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 inute APHA holding time) 0.1		
Sample Sample Receptic Analysis Product Sampled NCOAK NW340 *ZMJU7 *NCOAF	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemica	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Me 11 anual Electrode (Test 7.9 I Oxygen Demand (T	214 r vater TS nlyser mg/l µg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 hinute APHA holding time) 0.1 Electrode		
Sample Sample Receptic Analysis Product Sampled NCOAK NW340 *ZMJU7 *NCOAF	E CODE Name Reference on Date & Time: s Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Me 11 anual Electrode (Test 7.9 I Oxygen Demand (T	214 r vater TS llyser mg/l µg/l embrane Filtration cfu/100 ml ted beyond 15 m	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 inute APHA holding time) 0.1		
Sample Sample Receptic Analysis Product Sampled *NCOAK 2NW340 *ZMJU7 *NCOAF *NCO5B	E CODE Name Reference on Date & Time: 5 Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemica Biochemical oxygen o (BOD)	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Dystrict water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Surface by Discrete Anarao 0.03 <1.9	214 r vater TS llyser mg/l µg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 hinute APHA holding time) 0.1 Electrode		
Sample Sample Receptic Analysis Product Sampled *NCOAK 2NW340 *ZMJU7 *NCOAF *NCO5B	E CODE Name Reference on Date & Time: 5 Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemica Biochemical oxygen o (BOD)	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 13:20 22/04/2025 Surface water, raw w 22/04/2025 11:22 RESUL Ogen by Discrete Ana 0.03 <1.9 Scherichia coli by Me 11 anual Electrode (Test 7.9 I Oxygen Demand (T	214 r vater TS llyser mg/l µg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 hinute APHA holding time) 0.1 Electrode		
Sample Sample Receptic Analysis Product Sampled NCOAK NCOAK *ZMJU7 *NCOAF *NCO5B *NCO3M	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemica Biochemical oxygen of (BOD) Total Nitrogen in Total Nitrogen (N)	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Discrete Ana 0.03 <1.9	214 r vater TS ulyser mg/l pug/l embrane Filtration cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l balyser (Trace) mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 0.0 1 ininute APHA holding time) 0.1 Electrode 2 0.01		
Sample Sample Receptic Analysis Product Sampled *NCOAK *ZMJU7 *NCOAF *NCO5B *NCO3M	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemica Biochemical oxygen of (BOD) Total Nitrogen in Total Nitrogen (N)	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Dystrict water, raw w 22/04/2025 Surface water, raw w 21.9 Scherichia coli by Ma 11 anual Electrode (Test 7.9 I Oxygen Demand (Ti demand <2	214 r vater .TS .llyser mg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l halyser (Trace) mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 on 1 hinute APHA holding time) 0.1 Electrode 2 0.01		
Sample Sample Receptic Analysis Product Sampled *NCOAK *NCOAK *NCOAF *NCO5B *NCO3M *NCO4C	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemical Biochemical oxygen of (BOD) Total Nitrogen in T Total Nitrogen (N) Total Oxidised Nitrogen	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 Surface water, raw w 22/04/2025 Surface by Discrete Ana 0.03 <1.9	214 r vater .TS ilyser mg/l µg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l balyser (Trace) mg/l iscrete Analyser mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 0.0 1 1.9 0.0 1 Electrode 2 0.01 0.01		
Sample Sample Receptic Analysis Product Sampled *NCOAK *NCOAK *NCOAF *NCO5B *NCO3M *NCO4C	E CODE Name Reference on Date & Time: S Started on: Type Date & Time Ammoniacal Nitro Ammonia nitrogen Chlorophyll a Chlorophyll a Chlorophyll A Enumeration of E Escherichia coli pH in Water by Ma pH Total Biochemical Biochemical oxygen of (BOD) Total Nitrogen in T Total Nitrogen (N) Total Oxidised Nitrogen	817-2025-00041: GT7830RC D/S of Kawarau Rive 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Surface water, raw w 22/04/2025 Dystrict water, raw w 22/04/2025 Surface water, raw w 21.9 Scherichia coli by Ma 11 anual Electrode (Test 7.9 I Oxygen Demand (Ti demand <2	214 r vater .TS ilyser mg/l µg/l embrane Filtratio cfu/100 ml ted beyond 15 m BOD 5 Days) by mg/l balyser (Trace) mg/l iscrete Analyser mg/l	Reception temperature: Analysis Ending Date: Sampler(s) LOQ 0.01 1.9 0.0 1 1.9 0.0 1 Electrode 2 0.01 0.01		

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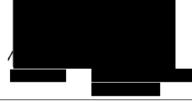
Food & Water Testing

		RESULTS		LOQ
*NCOAE	Total Suspended S	olids in Water by Grav	rimetry	
	Suspended Solids	29.2	mg/l	2.5
©™CO3Q	Turbidity in Water b	by Nephelometry		
	Turbidity	4.8	NTU	0.1

LIST OF METHODS

NC03M	Total Nitrogen in Water by Discrete Analyser (Trace): APHA Online Edition 4500-P J/4500-NH	NC03Q	Turbidity in Water by Nephelometry: APHA 24th Edition 2130 B mod.		
NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser: APHA Online Edition 4500-NO3 H	NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode: APHA Online Edition 5210 B		
NC0AE	Total Suspended Solids in Water by Gravimetry: APHA Online Edition 2540 D	NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time): APHA 24th Edition 4500-H B		
NC0AK	Ammoniacal Nitrogen by Discrete Analyser: ISBN 0117516139 mod.	NC76G	Total Phosphorus in Water by Discrete Analyser (Trace): APHA Online Edition 4500-P B/J mod.		
NW340	Chlorophyll a: APHA Online Edition 10200 H	ZMJU7	Escherichia coli E (Water) [NZ Water] <1 >8 000 /100 ml (0) mTEC Agar-F: US-EPA 1603:2014		
Signature					





EXPLANATORY NOTE

① Test is not accredited

- 2 Test is subcontracted within Eurofins group and is accredited
- 3 Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- S Test is subcontracted outside Eurofins group and is not accredited
- © Test result is provided by the customer and is not accredited
- Ø Tested at the sampling point by Eurofins and is not accredited
- [®] Tested at the sampling point by Eurofins and is accredited Test is RLP accredited
- 10 Test is subcontracted within Eurofins group and is RLP accredited
- *Test was performed at Eurofins ELS Limited, 142 Esk Street, Invercargill

N/A means Not Applicable

Not Detected means not detected at or above the Limit of Quantification (LOQ)

LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

- X (Unsatisfactory) means does not meet the specification
- ✓ (Satisfactory) means meets the specification
- MAV means Maximum Allowable Value

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Food & Water Testing

The Customer acknowledges and accepts that: (a) where Eurofins is not responsible for sampling, the test result(s) in this report apply only to the sample as received. Customer is solely responsible for the sampling process and warrants that the sample provided to Eurofins is representative of the lot / batch from which the samples were drawn; and (b) Eurofins expresses no opinion and accepts no liability in respect of the Customer's production process or homogeneity of the product. The tests are identified by a five-digit code, their description is available on request.

Accreditation does not apply to comments or graphical representations.

Unless otherwise stated, all tests in this analytical report (except for subcontracted tests) are performed at 43 Detroit Drive, Rolleston, Christchurch, NEW ZEALAND. The laboratory is not responsible for the information provided by the customer which can affect the validity of the results, for example: sampling information such as date/time, field data etc.

Eurofins may subcontract the performance of part or all of the Services to a third party and the Customer authorises the release of all information necessary to the third party for the provision of the Services.

All samples become the property of Eurofins to the extent necessary for the performance of the Services.

Eurofins will not be required to store samples and may destroy or otherwise dispose of the samples or return the samples to the Customer (at the Customer's cost in all respects) immediately following analysis of the samples.

If the Customer pays for storage of the samples Eurofins will take commercially reasonable steps to store the samples for the agreed period in terms of industry practice. The Eurofins water sampling service follows methodology based on AS/NZS 5667 and / or best practice to collect and transport samples that are fit for the purpose of analytical testing. The laboratory is not responsible for sampling activities unless explicitly indicated by the statement "Sampled by Eurofins" on the report for water samples. The Customer acknowledges that the Services are provided using the current state of technology and methods developed and generally applied by Eurofins and involve analysis, interpretations, consulting work and conclusions. Eurofins shall use commercially reasonable degree of care in providing the Services.

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END OF REPORT

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