

AR-25-NC-010134-01 Page 1 of 3

# Food & Water Testing

ANALYTICAL REPORT

REPORT CODE		AR-25-NC-010134-01		REPORT DATE	09/04/2025			
Attention	Otago Regiona Private Bag 19 9054 DUNED	954						
	NEW ZEALAN							
Phone		-		Copy to: compliance	), regulatory			
Email								
Contact for your orders:				Order code:	EUNZCH-00212852			
Contract: Submission Reference:		Incident Response Wastewater discharge to shotover river		Purchase Order Number:				
		-						
SAMPLE CODE Sample Name		817-2025-00033300						
	Name Reference	JDF31032025B Shotover U/S						
Reception Date & Time:		31/03/2025 15:00		Reception temperature:	13.7 °C			
-	s Started on:	01/04/2025		Analysis Ending Date:	07/04/2025			
Product Type Sampled Date & Time		Surface water, raw water		Sampler(s)	ORC -			
Sampled	Date & IIme	31/03/2025 14:15	•	1.00				
		RESULT		LOQ				
(9) NCOAK		ogen by Discrete Analy 0.10		0.04				
*ZMJU7	Ammonia nitrogen		mg/l	0.01				
ZIMJU7	Enumeration of Escherichia coli by Membrane Filtration Escherichia coli 11 cfu/100 ml			1				
*NCOAF				-				
1100/1	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time) pH 7.7 0.1							
*NC05B		ll Oxygen Demand (TB	OD 5 Davs) by E					
	Biochemical oxygen (BOD)	• •	mg/l	2				
*NC03М		Water by Discrete Ana		0.04				
*NC04C	Total Nitrogen (N)	trogen in Water by Dis	mg/l	0.01				
10040		gen 0.08	mg/l	0.01				
*NC76G		s in Water by Discrete						
10/04	Total phosphorus	0.08	mg/l	0.01				
*NCOAE		Solids in Water by Gra	0					
	Suspended Solids	<2.5	mg/l	2.5				
SAMPL	E CODE	817-2025-000333	01					
Sample Name Sample Reference Reception Date & Time: Analysis Started on:		JDF31032025C Shotover Discharge 31/03/2025 15:00 01/04/2025		Reception temperature: Analysis Ending Date:	13.7 °C 07/04/2025			
Product		Surface water, raw wa	tor	Sampler(s)	ORC -			
Sampled Date & Time		31/03/2025 14:30		Cump.c.(c)				
L		RESULT	S	LOQ				
® <sup>®</sup> NCOAK	Ammoniacal Nitro Ammonia nitrogen	ogen by Discrete Analy 0.09	<b>/ser</b> mg/l	0.01				
Eurofins ELS Limited 43 Detroit Drive Rolleston Christchurch 7614 NEW ZEALAND		Eurofins ELS Limited 142 Esk Street Invercargill 9810 NEW ZEALAND		Phone (Christchurch) +( Phone (Invercargill) www.eurofins.co.nz	64 3 343 5227			



NEW ZEALAND

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## Food & Water Testing

			water n	0				
+		RESUI		LOQ				
<sup>*</sup> ZMJU7	Enumeration of Escherichia coli by Membrane Filtration Escherichia coli 730 cfu/100 ml 1							
*NCOAF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time)pH7.40.1							
*NC05B	Total Biochemical Oxygen Demand (TBOD 5 Days) by Electrode							
	Biochemical oxygen (BOD)	demand 2	mg/l	2				
*NC03М	Total Nitrogen in Total Nitrogen (N)	Water by Discrete An 6.85	• • •	0.01				
*NC04C	5		mg/l					
		itrogen in Water by D	mg/l					
*NOTCO	0			0.01				
*NC76G	=	-	•					
*	Total phosphorus	0.78	mg/l	0.01				
*NCOAE	•	Solids in Water by G	-					
	Suspended Solids	3.5	mg/l	2.5				
	E CODE	817-2025-00033	302					
Sample		JDF31032025A						
•	Reference	Shotover D/S 31/03/2025 15:00	1	Pagantian temperature.	13.7 °C			
-	on Date & Time: s Started on:	01/04/2025	1	Reception temperature: Analysis Ending Date:	07/04/2025			
Product		Surface water, raw v	vater	Sampler(s)	ORC -			
	Date & Time	31/03/2025 14:08		Gampler(3)	000-			
		RESU		LOQ				
NCOAK	Ammoniacal Nitr	ogen by Discrete Ana		200				
NOOAN	Ammonia nitrogen		mg/l	0.01				
*ZMJU7	Enumeration of Escherichia coli by Membrane Filtration							
ZIVIJU7	Escherichia coli	370	cfu/100 r					
*NCOAF *NC05B								
	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time) pH 7.7 0.1							
	•							
NCODB		al Oxygen Demand (T demand <2	mg/l					
*	Biochemical oxygen (BOD)		5	2				
*NC03M	-	Water by Discrete An	nalyser (Trace)					
	Total Nitrogen (N)	1.57	mg/l	0.01				
*NCO4C	Total Oxidised Ni	trogen in Water by D	iscrete Analys	er				
	Total Oxidised Nitro	gen 1.4	mg/l	0.01				
*NC76G	Total Phosphorus	s in Water by Discret	e Analyser (Tra	ace)				
	Total phosphorus	0.21	mg/l	0.01				
*NCOAE	Total Suspended	Solids in Water by G	Gravimetry					
	Suspended Solids	14.9	mg/l	2.5				
LIST OF	METHODS							
	<b>Total Nitrogen in Wa</b> APHA Online Edition	ater by Discrete Analys 4500-P J/4500-NH	er (Trace):	NC04C <b>Total Oxidised Nitrog</b> APHA Online Edition 4	gen in Water by Discrete Analyser: 4500-NO3 H			
NC05B	Total Biochemical C Electrode: APHA Or	Dxygen Demand (TBOD Inline Edition 5210 B	5 Days) by		lids in Water by Gravimetry: APHA			
	pH in Water by Man	ual Electrode (Tested b	•	NC0AK Ammoniacal Nitroge 0117516139 mod.				
Eurofins E 13 Detroit Rolleston Christchur				Phone (Christchurch) +6 Phone (Invercargill) www.eurofins.co.nz	64 3 343 5227			



### Food & Water Testing

NC76G Total Phosphorus in Water by Discrete Analyser (Trace): APHA Online Edition 4500 P B/J mod ZMJU7 Escherichia coli E (Water) [NZ Water] <1 >8 000 /100 ml (0) mTEC Agar-F: US EPA 1603 2014

#### Signature



EXPLANATORY NOTE
 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

<sup>©</sup> 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

<sup>®</sup>Tested at the sampling point by Eurofins and is accredited

Test is RLP accredited

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

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.

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