

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE

AR-25-NW-023839-01

REPORT DATE

03/04/2025

Attention Winstone Aggregates - Otaki

Gary Edwards

1 state highway 1

5543 Otaki

NEW ZEALAND

Phone 64272135004

Email gary.edwards@winstoneaggregates.co.nz

Copy to: paxie (andreas.paxie@gmail.com), McGregor

(dan.mcgregor@winstoneaggregates.co.nz), Mckernan

Contact for your orders: Mohammed Marza

Contract: Otaki

Order code: EUNZWE-00239103

Purchase Order Number: 5500020711

SAMPLE CODE 812-2025-00040850

Sampling Point code: NW0002209002

Sampling Point name: Winstone Otaki Pond

Reception Date & Time: 11/03/2025 15:33

Analysis Started on: 12/03/2025

Analysis Ending Date: 03/04/2025

Product Type Ground water

Sampled Date & Time 11/03/2025 10:23

Sampler(s) Ethan Clarke

Sampled by Eurofins Yes

ORGANICS

RESULTS

LOQ

NW227 TPH (GC-FID)

TPH C10 - C12	<0.1	mg/l	0.1
Maximum TPH Content	<0.1	mg/l	0.1
TPH C13 - C19	<0.1	mg/l	0.1
TPH C20 - C26	<0.1	mg/l	0.1
TPH C27 - C37	<0.1	mg/l	0.1
TPH C7 - C9	<0.1	mg/l	0.1

RESULTS

LOQ

NW007 Chloride

Chloride (Cl)	8.07	mg/l	0.02
---------------	------	------	------

NW023 Conductivity

Conductivity	9.2	mS/m	0.1
--------------	-----	------	-----

NW453 Dissolved Aluminium

Aluminium	<0.005	mg/l	0.005
-----------	--------	------	-------

NW457 Dissolved Calcium

Calcium (Ca)	7.19	mg/l	0.01
--------------	------	------	------

NW460 Dissolved Iron

Iron (Fe)	0.005	mg/l	0.005
-----------	-------	------	-------

NW462 Dissolved Magnesium

Magnesium (Mg)	1.58	mg/l	0.01
----------------	------	------	------

NW463 Dissolved Manganese

Manganese (Mn)	<0.005	mg/l	0.005
----------------	--------	------	-------

ZM0UY Enumeration of Escherichia coli by Membrane Filtration

Escherichia coli	20	cfu/100 ml	4
------------------	----	------------	---

ZM0WF Enumeration of Faecal Coliforms by Membrane Filtration

Faecal Coliforms	20	cfu/100 ml	4
------------------	----	------------	---

NW010 Nitrate-N

Nitrate-N	<0.01	mg/l	0.01
-----------	-------	------	------

Food & Water Testing

RESULTS			LOQ
NW195	pH (Tested beyond 15 minute APHA holding time)		
	pH	8.4	0.1
NW003	Total Alkalinity		
	Alkalinity total	25	mg CaCO ₃ /l
NW029	Total Hardness		
	Hardness	24	mg CaCO ₃ /l
NW212	Turbidity		
	Turbidity	0.32	NTU

SAMPLE CODE	812-2025-00040861		
Sampling Point code:	NW0002209001	Sampling Point name:	Winstone Otaki Bore
Reception Date & Time:	11/03/2025 15:45	Analysis Ending Date:	03/04/2025
Analysis Started on:	11/03/2025	Sampled Date & Time	11/03/2025 10:32
Product Type	Ground water	Sampled by Eurofins	Yes
Sampler(s)	Ethan Clarke		

RESULTS			LOQ
NW227	TPH (GC-FID)		
	TPH C10 - C12	<0.1	mg/l
	Maximum TPH Content	<0.1	mg/l
	TPH C13 - C19	<0.1	mg/l
	TPH C20 - C26	<0.1	mg/l
	TPH C27 - C37	<0.1	mg/l
	TPH C7 - C9	<0.1	mg/l

RESULTS			LOQ
NW007	Chloride		
	Chloride (Cl)	8.81	mg/l
NW023	Conductivity		
	Conductivity	10.3	mS/m
NW453	Dissolved Aluminium		
	Aluminium	<0.005	mg/l
NW457	Dissolved Calcium		
	Calcium (Ca)	8.34	mg/l
NW460	Dissolved Iron		
	Iron (Fe)	<0.005	mg/l
NW462	Dissolved Magnesium		
	Magnesium (Mg)	1.69	mg/l
NW463	Dissolved Manganese		
	Manganese (Mn)	<0.005	mg/l
ZM0UW	Enumeration of Escherichia coli by Membrane Filtration		
	Escherichia coli	<1	cfu/100 ml
UME9S	Enumeration of Faecal Coliforms by Membrane Filtration		
	Faecal Coliforms	<1	cfu/100 ml
NW010	Nitrate-N		
	Nitrate-N	0.12	mg/l
NW195	pH (Tested beyond 15 minute APHA holding time)		
	pH	6.5	0.1
NW003	Total Alkalinity		
	Alkalinity total	27	mg CaCO ₃ /l

Food & Water Testing

RESULTS			LOQ
NW029 Total Hardness			
Hardness	28	mg CaCO ₃ /l	1
NW212 Turbidity			
Turbidity	0.46	NTU	0.01
SAMPLE CODE	812-2025-00040865		
Sampling Point code:	NW0002209003	Sampling Point name:	72 Te Roto Site Bore
Reception Date & Time:	11/03/2025 15:52	Analysis Ending Date:	03/04/2025
Analysis Started on:	12/03/2025	Sampled Date & Time	11/03/2025 10:47
Product Type	Ground water	Sampled by Eurofins	Yes
Sampler(s)	Ethan Clarke		
RESULTS			LOQ
NW227 TPH (GC-FID)			
TPH C10 - C12	<0.1	mg/l	0.1
Maximum TPH Content	<0.1	mg/l	0.1
TPH C13 - C19	<0.1	mg/l	0.1
TPH C20 - C26	<0.1	mg/l	0.1
TPH C27 - C37	<0.1	mg/l	0.1
TPH C7 - C9	<0.1	mg/l	0.1
RESULTS			LOQ
NW007 Chloride			
Chloride (Cl)	9.01	mg/l	0.02
NW023 Conductivity			
Conductivity	10.1	mS/m	0.1
NW453 Dissolved Aluminium			
Aluminium	<0.005	mg/l	0.005
NW457 Dissolved Calcium			
Calcium (Ca)	7.84	mg/l	0.01
NW460 Dissolved Iron			
Iron (Fe)	0.023	mg/l	0.005
NW462 Dissolved Magnesium			
Magnesium (Mg)	1.62	mg/l	0.01
NW463 Dissolved Manganese			
Manganese (Mn)	<0.005	mg/l	0.005
ZM0UW Enumeration of Escherichia coli by Membrane Filtration			
Escherichia coli	<1	cfu/100 ml	1
UME9S Enumeration of Faecal Coliforms by Membrane Filtration			
Faecal Coliforms	<1	cfu/100 ml	1
NW010 Nitrate-N			
Nitrate-N	0.19	mg/l	0.01
NW195 pH (Tested beyond 15 minute APHA holding time)			
pH	6.4		0.1
NW003 Total Alkalinity			
Alkalinity total	26	mg CaCO ₃ /l	1
NW029 Total Hardness			
Hardness	26	mg CaCO ₃ /l	1
NW212 Turbidity			
Turbidity	0.45	NTU	0.01

Food & Water Testing

RESULTS

LOQ

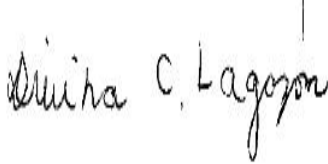
LIST OF METHODS

NW003	Total Alkalinity: APHA Online Edition 2320 B	NW007	Chloride: APHA Online Edition 4110 B
NW010	Nitrate-N: APHA Online Edition 4110 B	NW023	Conductivity: APHA 24th Edition 2510 B
NW029	Total Hardness: APHA Online Edition 2340 B	NW195	pH (Tested beyond 15 minute APHA holding time): APHA 24th Edition 4500-H B
NW212	Turbidity: APHA 24th Edition 2130 B	NW227	TPH (GC-FID): Internal Method, GC-FID
NW453	Dissolved Aluminium: APHA Online Edition 3120 B mod.	NW457	Dissolved Calcium: APHA Online Edition 3120 B mod.
NW460	Dissolved Iron: APHA Online Edition 3120 B mod.	NW462	Dissolved Magnesium: APHA Online Edition 3120 B mod.
NW463	Dissolved Manganese: APHA Online Edition 3120 B mod.	UME9S	Faecal Coliforms E (Water) [NZ] <1 >60 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA 24th Edition
ZM0UW	Escherichia coli E (Water) [NZ] <1 >60 /100 ml (0) m-FC Agar-F: SMEWW 9222I; APHA 24th Edition	ZM0UY	Escherichia coli E (Water) [NZ] <4 >240 /100 ml (0) m-FC Agar-F: SMEWW 9222I; APHA 24th Edition
ZM0WF	Faecal Coliforms E (Water) [NZ] <4 >240 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA 24th Edition		

Signature



Jennifer Mont Supervisor Eurofins ELS Limited



Divina Cunanan Lagazon Supervisor Eurofins ELS Limited



Gordon McArthur Senior Laboratory Analyst Eurofins ELS Limited



Ganesh Ilancko Supervisor Eurofins ELS Limited



Arvinder Singh Laboratory Supervisor Microbiology



Gabriela Carvalhaes Business Unit Manager



Vineel Chandra Laboratory Supervisor Microbiology



Cody Forbes Technical Specialist Technical Specialist



Hannah Smith Laboratory Supervisor Microbiology

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
- ④ Test is subcontracted outside Eurofins group and is accredited
- ⑤ Test is subcontracted outside Eurofins group and is not accredited
- ⑥ Test result is provided by the customer and is not accredited
- ⑦ Tested at the sampling point by Eurofins and is not accredited
- ⑧ Tested at the sampling point by Eurofins and is accredited
- ⑨ Test is RLP accredited
- ⑩ Test is subcontracted within Eurofins group and is RLP accredited

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

✗ (Unsatisfactory) means does not meet the specification

✓ (Satisfactory) means meets the specification

MAV means Maximum Allowable Value

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. This document can only be reproduced in full.

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 85 Port Road, Seaview, Lower Hutt, Wellington, 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.

This report is produced and issued on the basis of information, documents and/or samples provided by, or on behalf of, the Customer and solely for the benefit of the Customer who is responsible for acting as it sees fit on the basis of this report. Neither Eurofins nor any of its officers, employees, agents or subcontractors shall be liable to the Customer nor any third party for any actions taken or not taken on the basis of this report nor for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to Eurofins.

Eurofins shall have no liability for any indirect or consequential loss including, without limitation, loss of production, loss of contracts, loss of profits, loss of business or costs incurred from business interruption, loss of opportunity, loss of goodwill or damage to reputation and cost of product recall (including any losses suffered as a result of distribution of the Customer's products subject of the Services prior to the report being released by Eurofins). It shall further have no liability for any loss, damage or expenses arising from the claims of any third party (including, without limitation, product liability claims) that may be incurred by the Customer.

Eurofins General Terms and Conditions apply.

END OF REPORT