

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE	AR-24-NW-008269-01	REPORT DATE	12/02/2024
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Attention Winstone Aggregates - Otaki
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 NEW ZEALAND

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

Contact for your orders: Mohammed Marza
Contract: Otaki

Order code: EUNZWE-00165617

SAMPLE CODE 812-2024-00016218

Sampling Point code: NW0002209001

Sampling Point name: Winstone Otaki Bore

Reception Date & Time: 01/02/2024 13:59

Analysis Start Date & Time: 01/02/2024 15:29

Analysis Ending Date: 12/02/2024

Product Type Ground water

Sampled Date & Time 01/02/2024 10:12

Sampler(s) Michael Sherry

Sampled by Eurofins Yes

RESULTS

LOQ

NW007 Chloride	Chloride (Cl)	8.32	mg/l	0.02
NW023 Conductivity	Conductivity	9.3	mS/m	0.1
NW453 Dissolved Aluminium	Aluminium	<0.005	mg/l	0.005
NW457 Dissolved Calcium	Calcium (Ca)	8.54	mg/l	0.01
NW460 Dissolved Iron	Iron (Fe)	<0.005	mg/l	0.005
NW462 Dissolved Magnesium	Magnesium (Mg)	1.57	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	0.13	mg/l	0.01
NW195 pH (Tested beyond 15 minute APHA holding time)	pH	6.5		0.1
NW003 Total Alkalinity	Alkalinity total	25	mg CaCO3/l	1
NW029 Total Hardness	Hardness	28	mg CaCO3/l	1
NW227 TPH (GC-FID)	Maximum TPH Content	<0.5	mg/l	0.1
	Nonpolar TPH C10-C12	<0.1	mg/l	0.1

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	RESULTS		LOQ
NW227 TPH (GC-FID)			
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
NW212 Turbidity			
Turbidity	0.30	NTU	0.01

SAMPLE CODE	812-2024-00016234		
Sampling Point code:	NW0002209003	Sampling Point name:	72 Te Roto Site Bore
Reception Date & Time:	01/02/2024 13:59	Analysis Ending Date:	12/02/2024
Analysis Start Date & Time:	01/02/2024 16:00	Sampled Date & Time	01/02/2024 10:54
Product Type	Ground water	Sampled by Eurofins	Yes
Sampler(s)	Michael Sherry		

	RESULTS		LOQ
NW007 Chloride			
Chloride (Cl)	8.24	mg/l	0.02
NW023 Conductivity			
Conductivity	9.3	mS/m	0.1
NW453 Dissolved Aluminium			
Aluminium	<0.005	mg/l	0.005
NW457 Dissolved Calcium			
Calcium (Ca)	8.06	mg/l	0.01
NW460 Dissolved Iron			
Iron (Fe)	0.069	mg/l	0.005
NW462 Dissolved Magnesium			
Magnesium (Mg)	1.50	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	0.21	mg/l	0.01
NW195 pH (Tested beyond 15 minute APHA holding time)			
pH	6.4		0.1
NW003 Total Alkalinity			
Alkalinity total	23	mg CaCO3/l	1
NW029 Total Hardness			
Hardness	26	mg CaCO3/l	1
NW227 TPH (GC-FID)			
Maximum TPH Content	<0.5	mg/l	0.1
Nonpolar TPH C10-C12	<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

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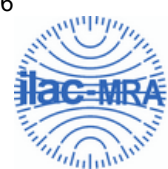
	RESULTS		LOQ
NW212 Turbidity			
Turbidity	2.54	NTU	0.01

SAMPLE CODE	812-2024-00016240
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Sampling Point code: NW0002209002	Sampling Point name: Winstone Otaki Pond
Reception Date & Time: 01/02/2024 13:59	
Analysis Start Date & Time: 01/02/2024 16:01	Analysis Ending Date: 12/02/2024
Product Type Ground water	Sampled Date & Time 01/02/2024 10:34
Sampler(s) Michael Sherry	Sampled by Eurofins Yes

	RESULTS		LOQ
NW007 Chloride			
Chloride (Cl)	7.58	mg/l	0.02
NW023 Conductivity			
Conductivity	8.6	mS/m	0.1
NW453 Dissolved Aluminium			
Aluminium	0.005	mg/l	0.005
NW457 Dissolved Calcium			
Calcium (Ca)	7.72	mg/l	0.01
NW460 Dissolved Iron			
Iron (Fe)	0.009	mg/l	0.005
NW462 Dissolved Magnesium			
Magnesium (Mg)	1.46	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	96	cfu/100 ml	4
ZM0WF Enumeration of Faecal Coliforms By Membrane Filtration			
Faecal Coliforms	96	cfu/100 ml	4
NW010 Nitrate-N			
Nitrate-N	<0.01	mg/l	0.01
NW195 pH (Tested beyond 15 minute APHA holding time)			
pH	8.9		0.1
NW003 Total Alkalinity			
Alkalinity total	23	mg CaCO3/l	1
NW029 Total Hardness			
Hardness	25	mg CaCO3/l	1
NW227 TPH (GC-FID)			
Maximum TPH Content	<0.5	mg/l	0.1
Nonpolar TPH C10-C12	<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
NW212 Turbidity			
Turbidity	0.54	NTU	0.01

LIST OF METHODS



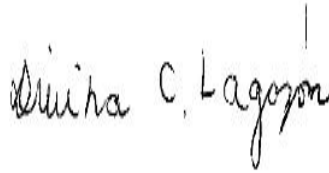
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<p>NW003 Total Alkalinity: APHA Online Edition 2320 B</p> <p>NW010 Nitrate-N: APHA Online Edition 4110 B</p> <p>NW029 Total Hardness: APHA Online Edition 2340 B</p> <p>NW212 Turbidity: APHA 24th Edition 2130 B</p> <p>NW453 Dissolved Aluminium: APHA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



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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
- x** (Unsatisfactory) means does not meet the specification
- ✓** (Satisfactory) means meets the specification

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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.

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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.

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END OF REPORT