

Food & Water Testing

ANALYTICAL REPORT

REPORT CODE	AR-22-NW-008914-01	REPORT DATE	22/03/2022
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Attention Winstone Aggregates - Otaki
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Contact for your orders: Lizzie Addis

Order code: EUNZWE-00032584

SAMPLE CODE	812-2022-00027013
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Sampling Point NW0002209003:72 Te Roto Site Bore

Reception Date & Time: 15/03/2022 17:29

Analysis Start Date & Time: 15/03/2022 18:03

Sampled Date & Time 15/03/2022 10:45

Collected By Eurofins True

Analysis Ending Date: 22/03/2022

Sampler(s) Michael Sherry

	RESULTS	LOQ
NW453 Aluminium - Dissolved		
Aluminium	<0.005 mg/l	0.005
NW457 Calcium - Dissolved		
Calcium (Ca)	10.0 mg/l	0.01
NW007 Chloride		
Chloride (Cl)	9.68 mg/l	0.02
NW023 Conductivity		
Conductivity	11.5 mS/m	0.1
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
NW029 Hardness		
Hardness	33 mg CaCO3/l	1
NW460 Iron - Dissolved		
Iron (Fe)	0.075 mg/l	0.005
NW462 Magnesium - Dissolved		
Magnesium (Mg)	1.90 mg/l	0.01
NW463 Manganese - Dissolved		
Manganese (Mn)	<0.005 mg/l	0.005
NW010 Nitrate-N		
Nitrate-N	0.66 mg/l	0.01
NW195 pH		
pH	6.9	0.1
NW003 Total Alkalinity		
Alkalinity total	27 mg CaCO3/l	1
NW227 TPH (GC-FID)		

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	RESULTS	LOQ
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	1.09 NTU	0.01

SAMPLE CODE	812-2022-00027027
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Sampling Point	NW0002209002:Winstone Otaki Pond		
Reception Date & Time:	15/03/2022 17:29		
Analysis Start Date & Time:	15/03/2022 18:03	Analysis Ending Date:	22/03/2022
Sampled Date & Time	15/03/2022 10:13	Sampler(s)	Michael Sherry
Collected By Eurofins	True		

	RESULTS	LOQ
NW453 Aluminium - Dissolved		
Aluminium	<0.005 mg/l	0.005
NW457 Calcium - Dissolved		
Calcium (Ca)	9.58 mg/l	0.01
NW007 Chloride		
Chloride (Cl)	8.90 mg/l	0.02
NW023 Conductivity		
Conductivity	10.5 mS/m	0.1
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
NW029 Hardness		
Hardness	31 mg CaCO ₃ /l	1
NW460 Iron - Dissolved		
Iron (Fe)	<0.005 mg/l	0.005
NW462 Magnesium - Dissolved		
Magnesium (Mg)	1.77 mg/l	0.01
NW463 Manganese - Dissolved		
Manganese (Mn)	<0.005 mg/l	0.005
NW010 Nitrate-N		
Nitrate-N	0.54 mg/l	0.01
NW195 pH		
pH	6.6	0.1
NW003 Total Alkalinity		
Alkalinity total	25 mg CaCO ₃ /l	1
NW227 TPH (GC-FID)		

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	RESULTS	LOQ
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	0.13 NTU	0.01

SAMPLE CODE	812-2022-00027029
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Sampling Point	NW0002209002:Winstone Otaki Pond		
Reception Date & Time:	15/03/2022 17:29		
Analysis Start Date & Time:	15/03/2022 18:03	Analysis Ending Date:	22/03/2022
Sampled Date & Time	15/03/2022 10:22	Sampler(s)	Michael Sherry
Collected By Eurofins	True		

	RESULTS	LOQ
NW453 Aluminium - Dissolved		
Aluminium	0.011 mg/l	0.005
NW457 Calcium - Dissolved		
Calcium (Ca)	7.28 mg/l	0.01
NW007 Chloride		
Chloride (Cl)	7.30 mg/l	0.02
NW023 Conductivity		
Conductivity	8.5 mS/m	0.1
ZM0UY Enumeration of Escherichia coli By Membrane Filtration		
Escherichia coli	44 cfu/100 ml	4
ZM0WF Enumeration of Faecal Coliforms By Membrane Filtration		
Faecal Coliforms	48 cfu/100 ml	4
NW029 Hardness		
Hardness	24 mg CaCO3/l	1
NW460 Iron - Dissolved		
Iron (Fe)	<0.005 mg/l	0.005
NW462 Magnesium - Dissolved		
Magnesium (Mg)	1.41 mg/l	0.01
NW463 Manganese - Dissolved		
Manganese (Mn)	<0.005 mg/l	0.005
NW010 Nitrate-N		
Nitrate-N	<0.01 mg/l	0.01
NW195 pH		
pH	7.6	0.1
NW003 Total Alkalinity		
Alkalinity total	21 mg CaCO3/l	1
NW227 TPH (GC-FID)		

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	RESULTS	LOQ
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	2.06 NTU	0.01

LIST OF METHODS

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

Signature



Sunita Raju Business Unit Manager
Microbiology

EXPLANATORY NOTE

- ◆ Test is not accredited
- Test is subcontracted within Eurofins group and is accredited
- Test is subcontracted within Eurofins group and is not accredited
- Test is subcontracted outside Eurofins group and is accredited
- Test is subcontracted outside Eurofins group and is not accredited
- ▣ Test result is provided by the customer and is not accredited
- ▲ Tested in the field by Eurofins and is not 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

Food & Water Testing

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END OF REPORT