16/12/2022



## **Food & Water Testing**

## ANALYTICAL REPORT

REPORT DATE

Attention Winstone Aggregates - Otaki

REPORT CODE

Gary Edwards 1 state highway 1

5543 Otaki **NEW ZEALAND** 

64272135004 Phone

**Email** gary.edwards@winstoneaggregates.co.nz

Contact for your orders: Otaki **Contract:** 

Mohammed Marza

AR-22-NW-045833-01

Order code:

Copy to: paxie (andreas.paxie@gmail.com), services (sharedservices@fbu.com), adams

EUNZWE-00083631

812-2022-00136263 SAMPLE CODE

**Sampling Point** NW0002209002:Winstone Otaki Pond

Reception Date & Time: 08/12/2022 19:51 Analysis Start Date & Time: 08/12/2022 19:55

Sampled Date & Time 08/12/2022 15:54 Sampled by Eurofins

True

**Analysis Ending Date:** 16/12/2022 Sampler(s)

Michael Sherry

**RESULTS** LOQ

NW453	Aluminium - Dissolved			
	Aluminium	<0.005	mg/l	0.005
NW457	Calcium - Dissolved			
	Calcium (Ca)	6.55	mg/l	0.01
NW007	Chloride			
	Chloride (CI)	6.93	mg/l	0.02
NW023	Conductivity			
	Conductivity	7.9	mS/m	0.1
ZM0UY	Enumeration of Escherichi	a coli By Membr	ane Filtration	
	Escherichia coli	68	cfu/100 ml	4
ZM0WF	Enumeration of Faecal Col	iforms By Memb	rane Filtration	
	Faecal Coliforms	96	cfu/100 ml	4
NW460	Iron - Dissolved			
	Iron (Fe)	0.005	mg/l	0.005
NW462	Magnesium - Dissolved			
	Magnesium (Mg)	1.40	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			
	рН	7.3		0.1
NW003	Total Alkalinity			
	Alkalinity total	26	mg CaCO3/I	1
NW029	Total Hardness			

22

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mg CaCO3/I

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**Eurofins ELS Limited** 85 Port Road

Hardness

NW227 TPH (GC-FID)

Seaview Lower Hutt Wellington 5010

**NEW ZEALAND** 



	1				
		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	1.20	NTU	0.01	

SAMPLE CODE **812-2022-00136264** 

Sampling Point NW0002209003:72 Te Roto Site Bore

**Reception Date & Time:** 08/12/2022 19:51

 Analysis Start Date & Time:
 08/12/2022
 19:55
 Analysis Ending Date:
 16/12/2022

 Sampled Date & Time
 08/12/2022
 15:54
 Sampler(s)
 Michael Sherry

DECLUTE

Sampled by Eurofins True

		RESULT	S	LOQ
NW453	Aluminium - Dissolved			
	Aluminium	<0.005	mg/l	0.005
NW457	Calcium - Dissolved			
	Calcium (Ca)	9.43	mg/l	0.01
NW007	Chloride			
	Chloride (CI)	8.95	mg/l	0.02
NW023	Conductivity			
	Conductivity	10.7	mS/m	0.1
ZM0UW	Enumeration of Escher	ichia coli By Meı	mbrane Filtration	
	Escherichia coli	<1	cfu/100 ml	1
UME9S	S Enumeration of Faecal Coliforms by Membrane Filtration			
	Faecal Coliforms	<1	cfu/100 ml	1
NW460	Iron - Dissolved			
	Iron (Fe)	0.082	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	0.61	mg/l	0.01
NW195	pH			
	рН	6.2		0.1
NW003	Total Alkalinity			
	Alkalinity total	23	mg CaCO3/I	1
NW029	Total Hardness			
	Hardness	31	mg CaCO3/I	1
NW227	TPH (GC-FID)			
	Maximum TPH Content	<0.5	mg/l	0.1

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	RESULT	T-0		
TPH (GC-FID)	RESULTS		LOQ	
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	
Turbidity				
Turbidity	1.73	NTU	0.01	
	TPH C13 - C19 TPH C20 - C26 TPH C27 - C37 TPH C7 - C9 <b>Turbidity</b>	TPH C13 - C19	TPH C13 - C19	TPH C13 - C19

SAMPLE CODE **812-2022-00136265** 

Sampling Point NW0002209001:Winstone Otaki Bore

**Reception Date & Time:** 08/12/2022 19:51

 Analysis Start Date & Time:
 08/12/2022
 19:55
 Analysis Ending Date:
 16/12/2022

 Sampled Date & Time
 08/12/2022
 15:51
 Sampler(s)
 Michael Sherry

Sampled by Eurofins True

		RESULT	S	LOQ
NW453	Aluminium - Dissolved			
	Aluminium	<0.005	mg/l	0.005
NW457	Calcium - Dissolved			
	Calcium (Ca)	8.71	mg/l	0.01
NW007	Chloride			
	Chloride (CI)	8.06	mg/l	0.02
NW023	Conductivity			
	Conductivity	9.8	mS/m	0.1
ZM0UW	Enumeration of Escherichia coli By Membrane Filtration			
	Escherichia coli	<1	cfu/100 ml	1
UME9S	Enumeration of Faecal C	Coliforms by Me	embrane Filtration	
	Faecal Coliforms	<1	cfu/100 ml	1
NW460	Iron - Dissolved			
	Iron (Fe)	<0.005	mg/l	0.005
NW462	Magnesium - Dissolved			
	Magnesium (Mg)	1.71	mg/l	0.01
NW463	Manganese - Dissolved			
	Manganese (Mn)	<0.005	mg/l	0.005
NW010	Nitrate-N			
	Nitrate-N	0.41	mg/l	0.01
NW195	pH			
	рН	6.6		0.1
NW003	Total Alkalinity			
	Alkalinity total	25	mg CaCO3/I	1
NW029	Total Hardness			
	Hardness	29	mg CaCO3/I	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			L	_oq
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	0.65	NTU		0.01
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 Online Edition 2510 B
NW029	Total Hardness: APHA Online Edition 2340 B			NW195	pH: APHA Online Edition 4500-H B
NW212	Turbidity: APHA Online Edition 2130 B			NW227	TPH (GC-FID): Internal Method, GC-FID
NW453	Aluminium - Dissolved: APHA Online Edition 3120 B mod.			NW457	Calcium - Dissolved: APHA Online Edition 3120 B mod.
NW460	Iron - Dissolved: APHA Online Edition 3120 B mod.			NW462	Magnesium - Dissolved: APHA Online Edition 3120 B mod.
NW463	Manganese - Dissolved: APHA Online Edition 3120 B mod.		UME9S	Faecal Coliforms E (Water) [NZ] <1 >60 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA Online	
ZM0UW	Escherichia coli E (Water) [NZ] <1 >60 /100 ml (0) m-FC			ZM0UY	Escherichia coli E (Water) [NZ] <4 >240 /100 ml (0) m-FC

Signature

Jennifer Mont

ZM0WF

Supervisor

Agar-F: SMEWW 9222I; APHA Online

Faecal Coliforms E (Water) [NZ] <4 >240 /100 ml (0) m-FC Agar-F: SMEWW 9222D; APHA Online

Amitesh Kumar

Supervisor

**Divina Cunanan** 

Agar-F: SMEWW 9222I; APHA Online

Supervisor

Lagazon

Ganesh Ilancko

Supervisor

Leo Cleave

Senior Analyst

Arvinder Singh Supervisor

#### **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
- (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

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





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**Phone** 



The test result(s) in this report apply only to the sample as received.

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#### **END OF REPORT**



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