



Test Report

Lab Report Number: 8743J01 **Analysis Number:** 99A/109629

Customer ID:	CONN.W1	Analysis Type:	Misc. Tests (99A)
Contact Name:	MARK DOWLING	Delivery By:	Customer
Company Name:	CONNOLLY WILLIAM + SONS	Sample Card Number:	191217Q/7
Address:	RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition:	Acceptable
Sample Type:	Effluent	Date Sample Received:	19/12/2017
Sample Reference:	EFFLUENT SAMPLES	Date Analysis Commenced:	19/12/2017
Sample Description:	STREAM BEHIND MILL	Date Certificate Issued:	10/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	28.06	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	7	mg/l
Conductivity	Electrometry SOP 2076	542	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli	Quanti-tray SOP 2090	365.4	MPN/100ml
Iron	ICP-MS	73	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.09	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	24.20	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	1.2	mg/l
Total Coliforms	Quanti-tray SOP 2090	365.4	MPN/100ml

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Signed: Wendy McCall
Wendy McCall - Laboratory Manager

Date: 10/01/2018

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Independent Analytical Supplies

Test Report

Lab Report Number: 8743J02

Analysis Number: 99A/109630

Customer ID:	CONN.W1	Analysis Type:	Misc. Tests (99A)
Contact Name:	MARK DOWLING	Delivery By:	Customer
Company Name:	CONNOLLY WILLIAM + SONS	Sample Card Number:	191217Q/7
Address:	RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition:	Acceptable
Sample Type:	Effluent	Date Sample Received:	19/12/2017
Sample Reference:	EFFLUENT SAMPLES	Date Analysis Commenced:	19/12/2017
Sample Description:	DISCHARGE FROM FISH TANK	Date Certificate Issued:	12/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	28.54	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	5	mg/l
Conductivity	Electrometry SOP 2076	537	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	68.0	MPN/100ml
Iron	ICP-MS	62	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.07	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	23.89	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	13.2	mg/l
Total Coliforms*	Quanti-tray SOP 2090	613.1	MPN/100ml

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Signed: Wendy McCall

Date: 12/01/2018

Wendy McCall - Laboratory Manager

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IAS LABORATORIES, Unit 4 Bagenalstown Bus. Park, Bagenalstown, Co. Carlow,



Independent Analytical Supplies

Test Report

Lab Report Number: 8743J03

Analysis Number: 99A/109631

Customer ID: CONN.W1
Contact Name: MARK DOWLING
Company Name: CONNOLLY WILLIAM + SONS
Address: RED MILLS
GORESBRIDGE
CO. KILKENNY.

Analysis Type: Misc. Tests (99A)
Delivery By: Customer
Sample Card Number: 191217Q/7
Sample Condition: Acceptable

Sample Type: Effluent
Sample Reference: EFFLUENT SAMPLES
Sample Description: STREAM AT FISH TANK

Date Sample Received: 19/12/2017
Date Analysis Commenced: 19/12/2017
Date Certificate Issued: 12/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	2	mg/l
Chloride	Konelab Aquakem SOP 2065	29.77	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	6	mg/l
Conductivity	Electrometry SOP 2076	575	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	344.8	MPN/100ml
Iron	ICP-MS	64	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.07	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	26.31	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	16	mg/l
Total Coliforms*	Quanti-tray SOP 2090	>2419.6	MPN/100ml

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Signed: Wendy McCall
Wendy McCall - Laboratory Manager

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Independent Analytical Supplies

Test Report

Lab Report Number: 8743J04 **Analysis Number:** 99A/109632

Customer ID:	CONN.W1	Analysis Type:	Misc. Tests (99A)
Contact Name:	MARK DOWLING	Delivery By:	Customer
Company Name:	CONNOLLY WILLIAM + SONS	Sample Card Number:	191217Q/7
Address:	RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition:	Acceptable
Sample Type:	Effluent	Date Sample Received:	19/12/2017
Sample Reference:	EFFLUENT SAMPLES	Date Analysis Commenced:	19/12/2017
Sample Description:	WETLANDS S	Date Certificate Issued:	12/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	30.17	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	3	mg/l
Conductivity	Electrometry SOP 2076	696	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	17.3	MPN/100ml
Iron	ICP-MS	36	ug/l
Manganese	ICPMS	78	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.16	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	40.13	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	10.5	mg/l
Total Coliforms*	Quanti-tray SOP 2090	105.0	MPN/100ml

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Signed: Wendy McCall
Wendy McCall - Laboratory Manager

Date: 12/01/2018

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IAS LABORATORIES, Unit 4 Bagenalstown Bus. Park, Bagenalstown, Co. Carlow,



Independent Analytical Supplies

Test Report

Lab Report Number: 8743J05 **Analysis Number:** 99A/109633

Customer ID:	CONN.W1	Analysis Type:	Misc. Tests (99A)
Contact Name:	MARK DOWLING	Delivery By:	Customer
Company Name:	CONNOLLY WILLIAM + SONS	Sample Card Number:	191217Q/7
Address:	RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition:	Acceptable
Sample Type:	Effluent	Date Sample Received:	19/12/2017
Sample Reference:	EFFLUENT SAMPLES	Date Analysis Commenced:	19/12/2017
Sample Description:	WETLANDS N	Date Certificate Issued:	12/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	<1	mg/l
Chloride	Konelab Aquakem SOP 2065	28.48	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	<1	mg/l
Conductivity	Electrometry SOP 2076	706	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	14.6	MPN/100ml
Iron	ICP-MS	<20	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.05	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	39.03	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	4.6	mg/l
Total Coliforms*	Quanti-tray SOP 2090	185.0	MPN/100ml

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Signed: Wendy McCall
Wendy McCall - Laboratory Manager

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Test Report

Lab Report Number: 8743J06	Analysis Number: 99A/109634
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Customer ID: CONN.W1	Analysis Type: Misc. Tests (99A)
Contact Name: MARK DOWLING	Delivery By: Customer
Company Name: CONNOLLY WILLIAM + SONS	Sample Card Number: 191217Q/7
Address: RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition: Acceptable
Sample Type: Effluent	Date Sample Received: 19/12/2017
Sample Reference: EFFLUENT SAMPLES	Date Analysis Commenced: 19/12/2017
Sample Description: UPSTREAM BARROW	Date Certificate Issued: 10/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	2	mg/l
Chloride	Konelab Aquakem SOP 2065	26.36	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	18	mg/l
Conductivity	Electrometry SOP 2076	547	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli	Quanti-tray SOP 2090	365.4	MPN/100ml
Iron	ICP-MS	157	ug/l
Manganese	ICPMS	21	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.07	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	22.66	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	2.3	mg/l
Total Coliforms	Quanti-tray SOP 2090	1986.3	MPN/100ml

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Wendy McCall - Laboratory Manager

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Test Report

Lab Report Number: 8743J07 **Analysis Number:** 99A/109635

Customer ID:	CONN.W1	Analysis Type:	Misc. Tests (99A)
Contact Name:	MARK DOWLING	Delivery By:	Customer
Company Name:	CONNOLLY WILLIAM + SONS	Sample Card Number:	191217Q/7
Address:	RED MILLS GORESBRIDGE CO. KILKENNY.	Sample Condition:	Acceptable
Sample Type:	Effluent	Date Sample Received:	19/12/2017
Sample Reference:	EFFLUENT SAMPLES	Date Analysis Commenced:	19/12/2017
Sample Description:	DOWNSTREAM BARROW	Date Certificate Issued:	10/01/2018

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	3	mg/l
Chloride	Konelab Aquakem SOP 2065	26.36	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	25	mg/l
Conductivity	Electrometry SOP 2076	561	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli	Quanti-tray SOP 2090	56.9	MPN/100ml
Iron	ICP-MS	158	ug/l
Manganese	ICPMS	21	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.07	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	22.92	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	1.6	mg/l
Total Coliforms	Quanti-tray SOP 2090	1299.7	MPN/100ml

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Wendy McCall - Laboratory Manager

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