

From: [REDACTED]
To: [Simon Buckley](#)
Subject: Re: EPA Documentation request following inspection on 13/06/2024
Attachments: [Scan20240620_092800.pdf](#); [Scan20240620_092825.pdf](#); [Scan20240620_092416.pdf](#); [Scan20240620_092438.pdf](#); [Scan20240620_092358.pdf](#); [Scan20240620_092726.pdf](#);
Sent: 20/06/2024 10:39:32

Follow Up Flag: Follow up
Flag Status: Flagged

From: Simon Buckley <S.Buckley@epa.ie>
Sent: Tuesday 18 June 2024 12:16
To: [REDACTED]
Subject: EPA Documentation request following inspection on 13/06/2024

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi [REDACTED]

As a follow on to my site visits last week.
I was hoping you could provide the following documentation as agreed for each of the sites by the end of this week (21/06/2024):

Stock Register numbers every month for last 6 months
Surface water and groundwater monitoring records last 12 months
Organic fertiliser register movements record last 4 months
Record 3 for the department
Owner and Eden contacts details primary secondary and tertiary
Certificate of integrity for fuel tanks bunds / liquid feed bunds
Animal Carcass movement records last 3 months
Most recent noise monitoring report
Incident notification procedure
Complaints log

All of the above documentation to be provided for each of the following EPA licensed facilities:

Name and Location	EPA Reg Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Thank you for your assistance
Kind Regards

Simon Buckley
Cigire - Forfheidhmiú Réigiúnach na Ceadúnai
Inspector - Regional Licence Enforcement
An Ghníomhaireacht um Chaomhnú Comhshaoil
Environmental Protection Agency
Phone / Fón: [00353870901124](tel:00353870901124)
E-mail / r-phost: s.buckley@epa.ie

Stock

Register

Numbers

	Suckling Sows	Dry Sows	Maiden Gilts	Boars	Weaners
26/05/2024	0	0	0	0	0
28/04/2024	0	0	0	0	0
31/03/2024	0	0	0	0	0
25/02/2024	0	0	0	0	0
28/01/2024	0	0	0	0	1837
31/12/2023	0	29	0	0	2906

	Suckling Sows	Dry Sows	Maiden Gilts	Boars	Weaners	Finishers
26/05/2024	228	1002	59	3	5957	1867
28/04/2024	217	1060	122	3	6334	1572
31/03/2024	213	1100	133	3	7232	1871
25/02/2024	262	1151	145	3	8380	1621
28/01/2024	205	1135	100	3	8560	1926
31/12/2023	247	1191	83	3	7533	2466

Finishers

26/05/2024

28/04/2024 This is rented to Rosderra from May 2023

31/03/2024 I am trying to get in touch with them to find out

25/02/2024 stock figures, as soon as I receive them I will

28/01/2024 forward them on.

31/12/2023

ORGANIC FERTILISER MOVEMENTS

Manure Register

Record the manure movement details below.

The total volume of manure taken by any one person for a given day should be recorded.

Date	Manure Dispatched To	Herd no.	Volume (m ³)	N content (Kg)	P content (Kg)
02/05/22	268	N1091304	150	630	120
04/05/22	296	N1520051	180	756	144
04/05/22	49	N1200812	150	630	120
06/05/22	113	N113018X	210	882	168
09/05/22	291	N149081X	135	567	108
11/05/22	114	N1440082	135	567	108
11/05/22	40	N1430052	160	672	128
13/05/22	294	N1470356	110	462	88
16/05/22	285	X1730597	130	546	104
18/05/22	22	N1470127	100	420	80
18/05/22	170	N1520167	145	609	116
20/05/22	192	N1490459	180	756	144
23/05/22	151	N122074X	150	630	120
25/05/22	77	N1470216	165	693	132
26/05/22	173	N1142545	170	714	136
27/05/22	306	N1281081	190	798	152

Note:

N Content is calculated as follows:- Vol spread (m³) X 4.2 (kg / m³)

P Content is calculated as follows:- Vol spread (m³) X 0.8 (kg / m³)

Manure Register

Record the manure movement details below.

The total volume of manure taken by any one person for a given day should be recorded.

Date	Manure Dispatched To	Herd no.	Volume (m3)	N content (Kg)	P content (Kg)
09/04/24	130	N1500387	136	571	109
10/04/24	190	N1140046	100	420	80
11/04/24	63	N1491060	128	538	102
12/04/22	247	N1280409	115	483	92
13/04/22	198	N1501174	130	546	104
16/04/24	126	N1130610	190	798	152
18/04/24	89	N1521163	150	630	120
19/04/23	258	N104089X	155	651	124
20/04/24	250	N1501146	210	882	168
20/04/24	254	N1490993	135	567	108
23/04/24	159	N1510455	110	462	88
23/04/24	79	N1490799	125	525	100
25/04/24	213	N1141808	150	630	120
26/04/24	199	N1410086	120	504	96

Note:

N Content is calculated as follows:- Vol spread (m³) X 4.2 (kg / m³)

P Content is calculated as follows:- Vol spread (m³) X 0.8 (kg / m³)

Manure Register

Record the manure movement details below.

The total volume of manure taken by any one person for a given day should be recorded.

Date	Manure Dispatched To	Herd no.	Volume (m ³)	N content (Kg)	P content (Kg)
12/03/24	26	N1281073	90	378	72
13/03/24	61	N1131403	135	567	108
13/03/24	236	N1480211	190	798	152
16/03/24	34	N1070609	100	420	80
20/03/24	75	N1491094	120	504	96
21/03/24	251	N1490039	150	630	120
21/03/24	269	N1430109	100	420	80
22/03/24	158	N1180196	160	672	128
26/03/24	25	N1500832	180	756	144
26/03/24	70	N1490748	95	399	76
28/03/24	165	N1180765	125	525	100
29/03/24	263	N1430761	170	714	136

Note:

N Content is calculated as follows:- Vol spread (m³) X 4.2 (kg / m³)

P Content is calculated as follows:- Vol spread (m³) X 0.8 (kg / m³)

Manure Register

Record the manure movement details below.

The total volume of manure taken by any one person for a given day should be recorded.

Date	Manure Dispatched To	Herd no.	Volume (m ³)	N content (Kg)	P content (Kg)
22/02/24	274	N1440350	160	672	128
23/02/24	215	N1500395	150	630	120
23/02/24	299	N1491205	110	462	88
26/02/24	210	N1520051	100	420	80
26/02/24	163	N1500212	160	672	128
27/02/24	101	N1330376	200	840	160
29/02/24	266	N149100X	130	546	104

Note:

N Content is calculated as follows:- Vol spread (m³) X 4.2 (kg / m³)

P Content is calculated as follows:- Vol spread (m³) X 0.8 (kg / m³)

ANIMAL CARCASS COLLECTION

COLLEGE PROTEINS

Invoice

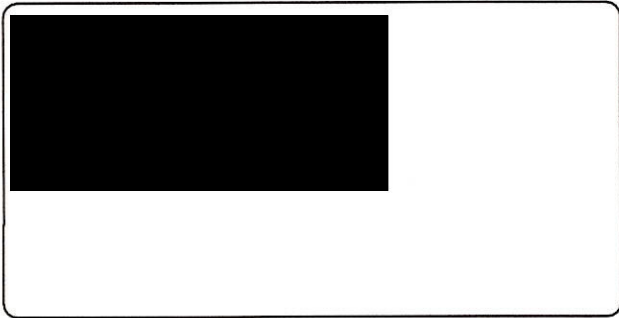
COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

Tel (046) 9096000

E-mail accounts@collegegroup.ie

VAT Number IE 4883143L

Invoice To:



DOCUMENT No: 0000224252

DATE 08/03/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
8.1	104467*08/03/2024*N/RUMINANT	90.00	2	729.00

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	729.00	98.42

Gross Total	729.00
VAT Total	98.42
Total	827.42

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIIIE2D
N.B. Please quote your Account No. (above)
as a payment reference

We are updating our customer records, could you please
provide us with your current email address.

COLLEGE PROTEINS

Invoice

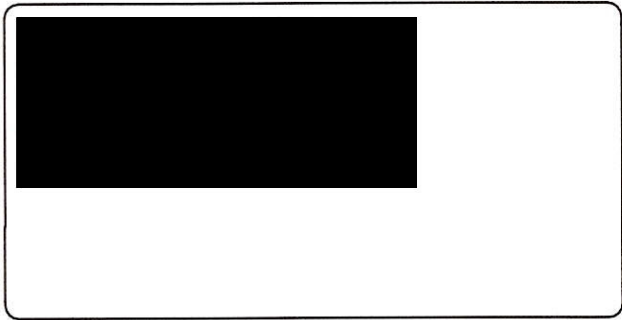
COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

Tel (046) 9096000

E-mail accounts@collegigroup.ie

VAT Number IE 4883143L

Invoice To:



DOCUMENT No: 0000224598

DATE 22/03/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
5	104903*21/03/2024*N/RUMINANT	90.00	2	450.00

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	450.00	60.75

We are updating our customer records, could you please provide us with your current email address.

Gross Total	450.00
VAT Total	60.75
Total	510.75

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIE2D
N.B. Please quote your Account No. (above)
as a payment reference

COLLEGE PROTEINS

COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

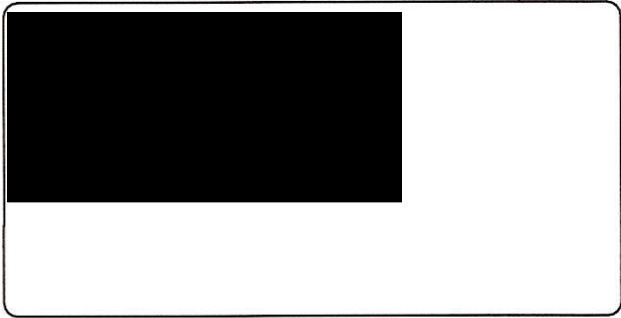
Tel (046) 9096000

E-mail accounts@collegigroup.ie

VAT Number IE 4883143L

Invoice

Invoice To:



DOCUMENT No: 0000225357

DATE 05/04/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
5.38	105416*05/04/2024*N/RUMINANT	90.00	2	484.20

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	484.20	65.37

Gross Total	484.20
VAT Total	65.37
Total	549.57

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIE2D
N.B. Please quote your Account No. (above)
as a payment reference

We are updating our customer records, could you please
provide us with your current email address.

COLLEGE PROTEINS

Invoice

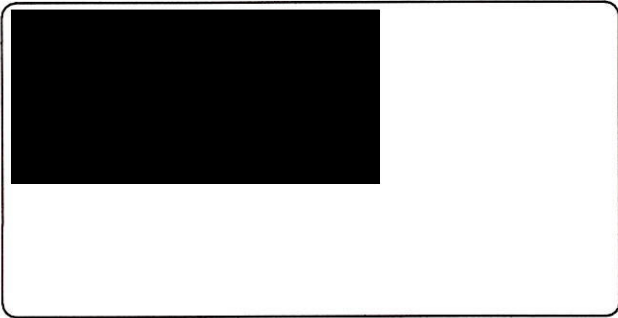
COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

Tel (046) 9096000

E-mail accounts@collegigroup.ie

VAT Number IE 4883143L

Invoice To:



DOCUMENT No: 0000225627

DATE 19/04/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
3.3	105945*19/04/2024*N/RUMINANT	90.00	2	297.00

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	297.00	40.10

Gross Total	297.00
VAT Total	40.10
Total	337.10

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIE2D
N.B. Please quote your Account No. (above)
as a payment reference

We are updating our customer records, could you please
provide us with your current email address.

COLLEGE PROTEINS

Invoice

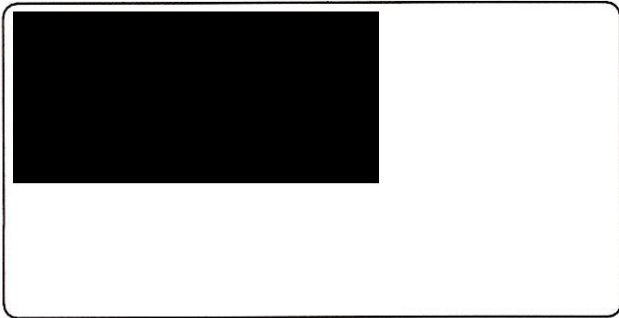
COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

Tel (046) 9096000

E-mail accounts@collegetgroup.ie

VAT Number IE 4883143L

Invoice To:



DOCUMENT No: 0000226325

DATE 03/05/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
4.92	106470*03/05/2024*N/RUMINANT	90.00	2	442.80

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	442.80	59.78

We are updating our customer records, could you please provide us with your current email address.

Gross Total	442.80
VAT Total	59.78
Total	502.58

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIE2D
N.B. Please quote your Account No. (above) as a payment reference

COLLEGE PROTEINS

Invoice

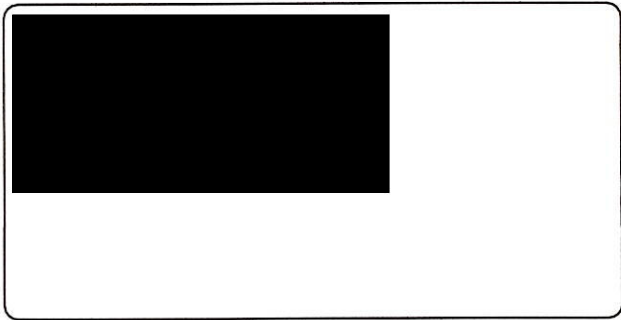
COLLEGE ROAD, NOBBER, CO. MEATH, A82 XT61, IRELAND

Tel (046) 9096000

E-mail accounts@collegegroup.ie

VAT Number IE 4883143L

Invoice To:



DOCUMENT No: 0000227387

DATE 07/06/2024

ORDER No:

ACCOUNT No: 470

Your VAT No:

Currency Euro

Quantity	Description	Price	VAT Code	Net
8.64	107615*06/06/2024*N/RUMINANT	90.00	2	777.60

-----VAT Analysis-----

Code %	Net	VAT
2 13.50 13.50 Percent	777.60	104.98

We are updating our customer records, could you please provide us with your current email address.

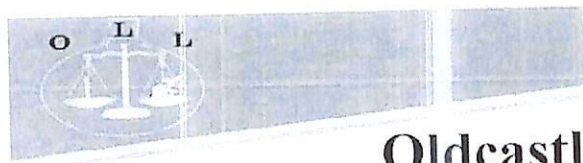
Gross Total	777.60
VAT Total	104.98
Total	882.58

Bank of Ireland, Kells
Account No.: 96519631
Sort Code: 90-34-45
IBAN: IE47BOFI90344596519631
SWIFT ID: BOFIIE2D
N.B. Please quote your Account No. (above)
as a payment reference

		COMMERCIAL DOCUMENT	Original
		Commercial Document for the transportation within Ireland of animal by-products and derived products not intended for human consumption in accordance with Regulation (EC) No. 1069/2009	Serial Number C 2861
1. Consignor (sender's name and address in full and, if appropriate, approval number of the plant of Origin)	2. Consignee (receiver's name and address in full and, if appropriate, approval number of the plant of Destination)		
<div></div>	College Proteins, Nobber, Co. Meath. Approval No R911		
3. Carrier, means of transport Carrier (haulier's name and address in full) College Proteins, College Road, Nobber, Co. Meath.	4. Quantity / Identification of consignment:		
3.1 Registration number of vehicle: <div></div>	4.1 Weight of ABP's (kgs) or number of ABP's (e.g. 3 heads) <u>1 SKIP</u>		
	4.2 Date of despatch <u>19-4-24</u>		
	4.3 Container Number (if applicable) <u>CPS 2005</u>		
	4.4 No. of Seals (if applicable)		
5 Description of the animal by-products or derived products:			
5.1 The category of animal by-products or derived products, (TICK AS APPROPRIATE):			
<input type="radio"/> Category 1 Material - 'For Disposal Only'			
<input checked="" type="radio"/> Category 2 Material - 'Not For Animal Consumption'			
<input type="radio"/> Manure and Digestive Tract Content - 'Manure'			
<input type="radio"/> Category 3 Material - 'Not For Human Consumption'			
5.2 The Description of animal by-products or derived products e.g. rendered fats, processed animal protein, etc:			
<u>Pigs</u>			
6. Declaration by the Consignor I, the consignor, declare that the information provided by me in sections 1 to 5 is correct and that the consignment is being transported in accordance with the requirements of Regulation EC No. 1069 / 2009			
<div></div> on <u>19.4.24</u>			
(Signature) (Date)			
7. Declaration by the Carrier: I, the carrier, declare that I have collected the material described above and that it is being transported to the consignee, at section 2 above, in accordance with the requirements of Regulation (EC) No. 1069/2009			
<div></div> on <u>19.4.24</u>			
(Signature) (Date)			
8. Declaration by the Consignee: I confirm that I have received the materials described at 4 and 5 above in accordance with the requirements of Regulation EC No. 1069 / 2009			
<div></div>			
(Signature)			
on			
(Date)			

Stamp of Disposal Facility
20 APR 2024
Plant Reg. R911

WATER SAMPLES



Oldcastle Laboratories Ltd



Cogan Street, Oldcastle, Co. Meath : A82 HW90

info@oldcastlelabs.ie : Tel: (049) 854 1160 : www.oldcastlelabs.ie

CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample AB SW1 P0821

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330369	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	12

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

Paula O'Brien

Authorized by

Additional Comments /
Customer Requests:

Results related only to the item(s) tested. The results apply to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.



Oldcastle Laboratories Ltd



Cogan Street, Oldcastle, Co. Meath : A82 HW90

info@oldeastlelabs.ie : Tel: (049) 854 1160 : www.oldeastlelabs.ie

CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample AB SW2 P0821

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330370	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	8

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

Paula O'Leary
Authorized by

Additional Comments /
Customer Requests:

Results related only to the item(s) tested. The results apply to the sample as received.
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Cogan Street, Oldcastle, Co. Meath : A82 HW90

info@oldcastlelabs.ie : Tel: (049) 854 1160 : www.oldcastlelabs.ie

CERTIFICATE OF ANALYSIS



Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample AB SL1 P0821

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330371	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	3

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

Paula O'Connell
Authorized by

Additional Comments /
Customer Requests:

Results related only to the item(s) tested. The results apply to the sample as received.
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Oldcastle Laboratories Ltd

Cogan Street, Oldcastle, Co. Meath : A82 HW90

info@oldcastlelabs.ie : Tel: (049) 854 1160 : www.oldcastlelabs.ie



CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample AB SL2 P0821

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330372	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	< 3

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

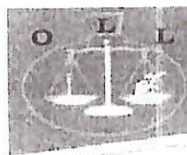
Signed :

Nadine Johnston
Analyst

Penela O'Leary
Authorized by

Additional Comments /
Customer Requests:

Results related only to the item(s) tested. The results apply to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.



Oldcastle Laboratories Ltd



Cogan Street, Oldcastle, Co. Meath : A82 HW90
info@oldcastlelabs.ie : Tel: (049) 854 1160 : www.oldcastlelabs.ie

CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Potable Water

Sample Reference: Water Sample AB P0821

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330360	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	13th March 2024	Satisfactory

Test	Units	Test Method	Result	Measurement Uncertainty (%)	Spec Limits
E.Coli	cfu/100ml	TM2159	0	± 4%	0
Coliforms (other than E.coli)	cfu/100ml	TM2159	17	± 6%	0
Nitrates	mg/l NO3	TM2216	22.3	± 2%	50
Ammonium	mg/l NH4	TM2118	< 2	± 2%	0.5
Ammonium Raw Data Result	mg/l NH4	TM2118**	< 0.02		0.5

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Margaret Preston

Analyst

Nadine Johnston

Authorized by

Additional Comments	Index	Measurement Uncertainty
	A result of 0 means not detected in volume tested. "Spec Limits = Specified Limits from the above statement" Acceptance: ✓ = Results are below specified limits. ✗ = Results are above specified limits	Decision Rule: MU is accounted for as conformity to European Union S.I. 122 of 2014 Regs & S.I. 464 of 2017 Amendment as stated. Note: Results may exceed / fall below specified limits if Measurement Uncertainty is taken into account

Total Bacterial Count (TBC) @ 22°C & 37°C based off "Standard Methods for the Examination of Water and Wastewater" 24th Ed is INAB accredited Conformity to S.I. 122 of 2014 Regs & S.I. 464 of 2017 Amendment not is valid.

Results related only to the item(s) tested. The results apply to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.



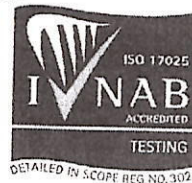
Oldcastle Laboratories Ltd

Cogan Street, Oldcastle, Co. Meath : A82 HW90

info@oldcastlelabs.ie

Tel: (049) 854 1160

www.oldcastlelabs.ie



CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0821 GW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324286	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	6th September 2023	Satisfactory	

Test	Units	Test Method	Result	
E.Coli	cfu/100ml	TM2159		0
Coliforms (other than E.coli)	cfu/100ml	TM2159		0
Nitrates	mg/l NO3 -N	TM2216**		14.1
Ammonia Raw Data Result	mg/l NH4-N	TM2118	<	2
Ammonia Raw Data Result	mg/l NH4-N	TM2118**	<	0.015

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

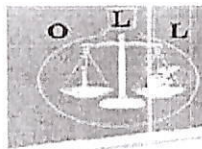
Signed :

Patricia Dwyer
Analyst

J. Boylan
Authorized by

Additional Comments /
Customer Requests:

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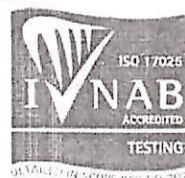
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info@oldcastlelabs.ie

Tel: (049) 854 1160

www.oldcastlelabs.ie



CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0821 SL2

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324290	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	19

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

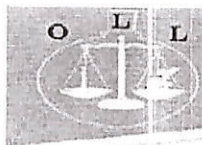
Signed :

Nadine Johnston
Analyst

S. Baylan
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0821 SL1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324289	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	26

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

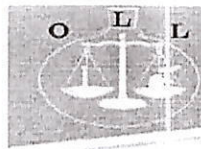
Signed :

Nadine Johnston
Analyst

S. Boyle
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email

Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0821 SW2

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324288	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	7

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

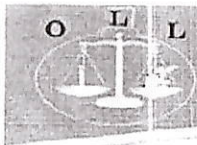
Signed :

Nadine Johnston
Analyst

S. Boyle
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0821 SW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324287	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	6

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

S. Bala
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample BLER SW1 P0613

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330363	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	4

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Signed :

Nadine Johnston
Analyst

Senora O'Brien
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email

Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample BLER SW2 P0613

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330364	7th March 2024	7th March 2024	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
7th March 2024	14th March 2024	Satisfactory	

Test	Units	Test Method	Result
COD	mg/l	TM2123	< 3

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Signed :

Nadine Johnston
Analyst

Authorized by

Pamela O'Leary

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Potable Water

Sample Reference: Water Sample BLFF P0613

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330362	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	13th March 2024	Satisfactory

Test	Units	Test Method	Result	Measurement Uncertainty (%)	Spec Limits
E.Coli	cfu/100ml	TM2159	0	± 4%	0
Coliforms (other than E.coli)	cfu/100ml	TM2159	21	± 6%	0
Nitrates	mg/l NO3	TM2216	22.4	± 2%	50
Ammonium	mg/l NH4	TM2118	< 2	± 2%	0.5
Ammonium Raw Data Result	mg/l NH4	TM2118**	< 0.02		0.5

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

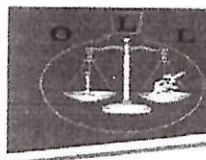
Margaret Preston
Analyst

Nadine Johnston
Authorized by

Additional Comments	Index	Measurement Uncertainty
	A result of 0 means not detected in volume tested. "Spec Limits = Specified Limits from the above statement" Acceptance: ✓ = Results are below specified limits. X = Results are above specified limits	Decision Rule: MU is accounted for as conformity to European Union S.I. 122 of 2014 Regs & S.I. 464 of 2017 Amendment as stated. Note: Results may exceed / fall below specified limits if Measurement Uncertainty is taken into account

Total Bacterial Count (TBC) @ 22°C & 37°C based off "Standard Methods for the Examination of Water and Wastewater" 24th Ed is INAB accredited Conformity to S.I. 122 of 2014 Regs & S.I. 464 of 2017 Amendment not is valid.

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0613 - GW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324291	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	6th September 2023	Satisfactory	

Test	Units	Test Method	Result	
E.Coli	cfu/100ml	TM2159		0
Coliforms (other than E.coli)	cfu/100ml	TM2159		0
Nitrates	mg/l NO ₃ -N	TM2216**		13.1
Ammonia Raw Data Result	mg/l NH ₄ -N	TM2118	<	2
Ammonia Raw Data Result	mg/l NH ₄ -N	TM2118**	<	0.015

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

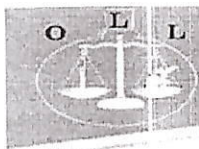
Signed :

Patricia Duffy
Analyst

S. Boylan
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]
Customer Address: [REDACTED]
Reporting Method: Email Email Address: [REDACTED]
Type of Sample: Surface / Ground Water
Sample Reference: Water Sample P0613 - SW2

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324293	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	37

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

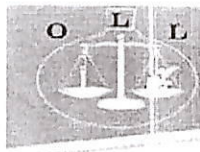
Signed :

Nadine Johnston
Analyst

S. Boyle
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0613 - SW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324292	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	41

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Signed :

Nadine Johnston
Analyst

S. Boylan
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Potable Water

Sample Reference: Water Sample GF Well P0481

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330359	7th March 2024	7th March 2024	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
7th March 2024	13th March 2024	Satisfactory	

Test	Units	Test Method	Result	Measurement Uncertainty (%)	Spec Limits
E.Coli	cfu/100ml	TM2159	0	± 4%	0
Coliforms (other than E.coli)	cfu/100ml	TM2159	16	± 6%	0
Nitrates	mg/l NO3	TM2216	21	± 2%	50
Ammonium	mg/l NH4	TM2118	< 2	± 2%	0.5
Ammonium Raw Data Result	mg/l NH4	TM2118**	< 0.02		0.5

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

 Margaret Preston
Analyst

 Nadine Johnston
Authorized by

Additional Comments	Index	Measurement Uncertainty
	A result of 0 means not detected in volume tested "Spec Limits = Specified Limits from the above statement" Acceptance: ✓ = Results are below specified limits. ✗ = Results are above specified limits	Decision Rule: MU is accounted for as conformit European Union S.L. 122 of 2014 Regs & S.L. 464 Amendment as stated. Note: Results may exceed / fall below specified Measurement Uncertainty is taken into account

Total Bacterial Count (TBC) at 22°C & 37°C based off "Standard Methods for the Examination of Water and Wastewater" 24th Ed is INAB accredited Conformity to S.L. 122 of 2014 Regs & S.L. 464 of 2017 Amendment not is valid.

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email **Email Address:** [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample GF SW1 P0481

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330365	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	<u>Result</u>
COD	mg/l	TM2123	7

** = Non ISO-17025 Accredited Test * = Subcontracted Test # = Sample outside 24hours (may affect results)

Signed : Nadine Johnston

Analyst

Pamela Ouelko

Authorized by

Additional Comments / Customer Requests:	
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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample GF SW2 P0481

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330366	7th March 2024	7th March 2024	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
7th March 2024	14th March 2024	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	6

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Signed :

Nadine Johnston
Analyst

Paula Coakley
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample GF SW3 P0481

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330367	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	< 3

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

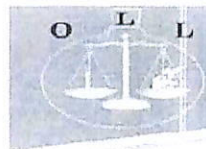
Signed :

Nadine Johnston
Analyst

Paula O'Connell
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample GF SW4 P0481

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
330368	7th March 2024	7th March 2024	Customer

Commencement Date:	Certificate Date:	Condition of Sample:
7th March 2024	14th March 2024	Satisfactory

Test	Units	Test Method	Result
COD	mg/l	TM2123	16

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

Paula O'Leary
Authorized by

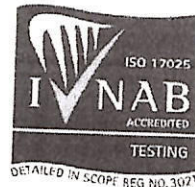
Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]
Customer Address: [REDACTED]
Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0481 - GW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324294	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	6th September 2023	Satisfactory	

Test	Units	Test Method	Result	
E.Coli	cfu/100ml	TM2159		0
Coliforms (other than E.coli)	cfu/100ml	TM2159		0
Nitrates	mg/l NO3 -N	TM2216**		13.4
Ammonia Raw Data Result	mg/l NH4-N	TM2118	<	2
Ammonia Raw Data Result	mg/l NH4-N	TM2118**	<	0.015

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

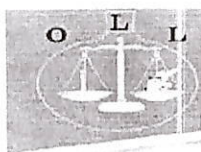
Signed :

Patricia Duffy
Analyst

S. Boylan
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0481 - SW4

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324298	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	0

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

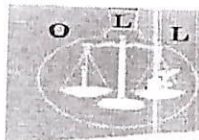
Signed :

Nadine Johnston
Analyst

S. Baylor
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]
Customer Address: [REDACTED]
Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0481 - SW3

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324297	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	0

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours may affect results

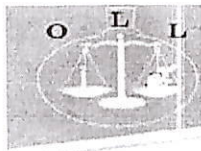
Signed :

Nadine Johnston
Analyst

S. Boyle
Authorized by

Additional Comments /
Customer Requests:

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info@oldcastlelabs.ie

Tel: (049) 854 1160

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CERTIFICATE OF ANALYSIS

Customer Name:

Customer Address:

Reporting Method: Email

Email Address:

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0481 - SW2

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324296	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	0

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

S. Boylan
Authorized by

Additional Comments /
Customer Requests:

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CERTIFICATE OF ANALYSIS

Customer Name: [REDACTED]

Customer Address: [REDACTED]

Reporting Method: Email Email Address: [REDACTED]

Type of Sample: Surface / Ground Water

Sample Reference: Water Sample P0481 - SW1

Lab Ref Number	Date Received:	Date Sampled:	Sampled By:
324295	30th August 2023	30th August 2023	Customer
Commencement Date:	Certificate Date:	Condition of Sample:	
30th August 2023	7th September 2023	Satisfactory	
Test	Units	Test Method	Result
COD	mg/l	TM2123	0

** = Non ISO-17025 Accredited Test | * = Subcontracted Test | # = Sample outside 24hours (may affect results)

Signed :

Nadine Johnston
Analyst

S. Baylon
Authorized by

Additional Comments /
Customer Requests:

*Results related only to the item(s) tested. The results apply to the sample as received.
This report shall not be reproduced except in full without approval of the laboratory.*