ANALYTICAL REPORT

Report Number	**41420-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Laboratory Reference		**SOIL785375**	**SOIL785376**
Sample Reference		**PDK 1**	**SWEDES**
Determinand	**Unit**	**SOIL**	**SOIL**
pH water [1:2.5]		5.3	5.7
Available Phosphorus (Index)	mg/l	8.8 (0)	7.2 (0)
Available Potassium (Index)	mg/l	93.1 (1)	109 (1)
Available Magnesium (Index)	mg/l	44.0 (1)	45.9 (1)
Textural Class		Silty Clay Loam	Clay Loam
Sand 2.00-0.063mm	% w/w	19	23
Silt 0.063-0.002mm	% w/w	55	50
Clay <0.002mm	% w/w	26	27
Total Copper	mg/kg	15.7	12.2
Total Zinc	mg/kg	89.1	79.3
Total Lead	mg/kg	39.2	35.5
Total Arsenic	mg/kg	13.0	12.8
Total Cadmium	mg/kg	0.28	0.28
Total Nickel	mg/kg	24.0	20.8
Total Chromium	mg/kg	32.4	29.3
Total Mercury	mg/kg	<0.2	<0.2
Total Selenium	mg/kg	0.50	0.52
Total Molybdenum	mg/kg	2.2	1.7
Fluoride	mg/kg	26.5	33.9

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

ANALYTICAL NOTES

Report Number	**41420-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Notes

Reported by

Teresa Clyne

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

Analytical Notes

Accreditation and method details

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Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

Analysis is carried out on the air-dried (<30°C) and ground sample.

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Document Control

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Sampling information

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Conformity Assessment

Where a result has been converted to an index or if it has been classified as a pass or fail to a certain specification anywhere in this report a rule has been applied to convert the analytical result to that index or a pass/fail . Statistically the rule is a simple acceptance rule which does not account for uncertainty and therefore has a zero guard band which nominally has a width w=0. This means there is a 50% probability that a result exactly equal to the specification limit will be outside the specification.

The uncertainty of measurement has been calculated for the tests in this report. This value can provide further information on the validity of conformity statements close to the specification limit and is available from the laboratory on request.

Customer-supplied information

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END OF REPORT

t: +44(0)1344 886338 **w:** www.cawood.co.uk/nrm
NRM, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS

ANALYTICAL REPORT

Report Number	**41418-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Laboratory Reference		**SOIL785370**	**SOIL785371**
Sample Reference		**PDK 2A**	**PDK 2B**
Determinand	**Unit**	**SOIL**	**SOIL**
pH water [1:2.5]		5.4	5.8
Available Phosphorus (Index)	mg/l	8.0 (0)	8.2 (0)
Available Potassium (Index)	mg/l	102 (1)	94.3 (1)
Available Magnesium (Index)	mg/l	54.6 (2)	52.4 (2)
Textural Class		Clay Loam	Clay Loam
Sand 2.00-0.063mm	% w/w	25	24
Silt 0.063-0.002mm	% w/w	48	50
Clay <0.002mm	% w/w	27	26
Total Copper	mg/kg	13.2	15.5
Total Zinc	mg/kg	80.3	97.1
Total Lead	mg/kg	38.3	40.8
Total Arsenic	mg/kg	12.5	14.2
Total Cadmium	mg/kg	0.29	0.35
Total Nickel	mg/kg	21.8	27.7
Total Chromium	mg/kg	32.4	37.6
Total Mercury	mg/kg	<0.2	<0.2
Total Selenium	mg/kg	0.56	0.57
Total Molybdenum	mg/kg	2.1	2.5
Fluoride	mg/kg	30.8	30.3

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on a dry matter basis unless otherwise stipulated.

ANALYTICAL NOTES

Report Number	**41418-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Notes

Reported by

Teresa Clyne

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Analytical Notes

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Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

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Conformity Assessment

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END OF REPORT

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ANALYTICAL REPORT

Report Number	**41413-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**02-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Laboratory Reference		**SOIL785356**	**SOIL785357**	**SOIL785358**
Sample Reference		**PDK 3A**	**PDK 3B**	**PDK 4A**
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**
pH water [1:2.5]		6.0	6.0	5.5
Available Phosphorus (Index)	mg/l	7.8 (0)	7.4 (0)	12.2 (1)
Available Potassium (Index)	mg/l	74.1 (1)	110 (1)	217 (2+)
Available Magnesium (Index)	mg/l	47.6 (1)	52.5 (2)	64.3 (2)
Textural Class		Silty Clay Loam	Silty Clay Loam	Silty Clay Loam
Sand 2.00-0.063mm	% w/w	2	5	14
Silt 0.063-0.002mm	% w/w	69	60	57
Clay <0.002mm	% w/w	29	35	29
Total Copper	mg/kg	9.1	9.7	16.0
Total Zinc	mg/kg	70.8	74.3	103
Total Lead	mg/kg	34.8	39.3	41.0
Total Arsenic	mg/kg	10.5	11.3	11.2
Total Cadmium	mg/kg	0.22	0.23	0.28
Total Nickel	mg/kg	21.8	21.3	29.1
Total Chromium	mg/kg	31.3	32.2	33.7
Total Mercury	mg/kg	<0.2	<0.2	<0.2
Total Selenium	mg/kg	0.51	0.54	0.39
Total Molybdenum	mg/kg	1.6	1.7	1.9
Fluoride	mg/kg	18.9	19.2	19.9

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
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Document Control

ANALYTICAL NOTES

Report Number	**41413-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**02-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Notes

Reported by

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Natural Resource Management, a trading division of Cawood Scientific Ltd.
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Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

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Conformity Assessment

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ANALYTICAL REPORT

Report Number	**41416-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**02-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Laboratory Reference		**SOIL785364**	**SOIL785365**	**SOIL785366**							
Sample Reference		**PDK 5A**	**PDK 5B**	**PDK 4B**							
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**							
pH water [1:2.5]		5.9	5.6	5.7							
Available Phosphorus (Index)	mg/l	10.2 (1)	10.2 (1)	10.8 (1)							
Available Potassium (Index)	mg/l	104 (1)	91.0 (1)	168 (2-)							
Available Magnesium (Index)	mg/l	52.2 (2)	42.8 (1)	73.6 (2)							
Textural Class		Silty Clay Loam	Silty Clay Loam	Silty Clay Loam							
Sand 2.00-0.063mm	% w/w	17	18	7							
Silt 0.063-0.002mm	% w/w	53	51	60							
Clay <0.002mm	% w/w	30	31	33							
Total Copper	mg/kg	14.7	15.2	15.1							
Total Zinc	mg/kg	82.0	86.1	87.1							
Total Lead	mg/kg	38.4	40.3	38.8							
Total Arsenic	mg/kg	12.0	12.9	10.7							
Total Cadmium	mg/kg	0.33	0.27	0.26							
Total Nickel	mg/kg	21.1	25.2	24.8							
Total Chromium	mg/kg	32.6	34.3	33.6							
Total Mercury	mg/kg	<0.2	<0.2	<0.2							
Total Selenium	mg/kg	0.49	0.48	0.49							
Total Molybdenum	mg/kg	2.1	2.0	2.1							
Fluoride	mg/kg	32.4	25.5	16.3							

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
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Document Control

ANALYTICAL NOTES

Report Number	**41416-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**02-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Notes

Reported by

Teresa Clyne

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Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

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ANALYTICAL REPORT

Report Number	**41419-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Laboratory Reference		**SOIL785372**	**SOIL785373**	**SOIL785374**
Sample Reference		**PDK 7A**	**PDK 7B**	**PDK 6**
Determinand	**Unit**	**SOIL**	**SOIL**	**SOIL**
pH water [1:2.5]		5.2	5.0	5.6
Available Phosphorus (Index)	mg/l	10.4 (1)	12.4 (1)	8.0 (0)
Available Potassium (Index)	mg/l	54.4 (0)	79.8 (1)	51.1 (0)
Available Magnesium (Index)	mg/l	45.9 (1)	49.7 (1)	42.0 (1)
Textural Class		Clay Loam	Clay Loam	Clay Loam
Sand 2.00-0.063mm	% w/w	26	23	25
Silt 0.063-0.002mm	% w/w	52	49	47
Clay <0.002mm	% w/w	22	28	28
Total Copper	mg/kg	16.2	20.9	14.3
Total Zinc	mg/kg	94.1	103	87.1
Total Lead	mg/kg	42.5	71.5	39.8
Total Arsenic	mg/kg	12.7	12.6	11.8
Total Cadmium	mg/kg	0.31	0.29	0.28
Total Nickel	mg/kg	26.1	31.3	24.6
Total Chromium	mg/kg	34.5	36.7	32.7
Total Mercury	mg/kg	<0.2	<0.2	<0.2
Total Selenium	mg/kg	0.59	0.43	0.51
Total Molybdenum	mg/kg	2.1	2.3	2.1
Fluoride	mg/kg	28.4	18.0	29.2

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
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ANALYTICAL NOTES

Report Number	**41419-26**	**H665**	**PAUL SIMPSON**	**Client**	**R ROBERTS**
Date Received	**23-FEB-2026**		**4RECYCLING LTD**		**CAE GWYN**
Date Reported	**03-MAR-2026**		**CONTROL HOUSE**		**CYFFYLIOG**
Project	**SOIL**		**A1 BUSINESS PARK**		**RUTHIN**
Reference	**CAE GWYN**		**KNOTTINGLEY ROAD**		**LL15 2DP**
Order Number			**KNOTTINGLEY WF11 0BU**		

Notes

Reported by

Teresa Clyne

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

Analytical Notes

Accreditation and method details

NRM is a UKAS-accredited testing laboratory (No 2334), accredited to BS EN ISO 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF communique dated April 2017). http://ilac.org/?ddownload=120917

NRM is accredited for particular determinands in specific matrices as set out in the laboratory's current UKAS schedule of accreditation https://www.ukas.com/wp-content/uploads/schedule_uploads/00002/2334Testing-Multiple.pdf

Accreditation applies to the following parameters in this report and is applicable to SOIL samples only. All other tests within this report are unaccredited.

Test	Analysis SOP	Method Description
Fluoride	JAS-487	Sulphuric acid extraction (1:10 ratio) and determination by ion selective electrode
Arsenic	JAS-510 / JAS-300	Aqua regia digest on hot block and determination by ICP-OES
Barium		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Molybdenum		
Mercury		
Nickel		
Vanadium		
Zinc		
Selenium	JAS-510 / JAS-455	Aqua regia digest on hot block and determination by AFS

Analysis Notes

Analysis is carried out on the air-dried (<30°C) and ground sample.

The results as reported relate only to the item(s) submitted for testing.

The results are presented on a dry matter basis.

Indices are derived solely from the numerical value and test result without reference to measurement uncertainty.

Document Control

This test report shall not be reproduced, except in full, without the written approval of the laboratory.

We cannot offer interpretation or opinions for results.

Sampling information

BS ISO 18512:2007 (Soil quality – Guidance on long and short-term storage of soil samples) states that for pH the period of stability and therefore holding time for a wet or 'fresh' soil sample is one week from sampling. Other determinants in the fresh sample may be considered stable for up to a month. Once the sample has been dried the sample may then be considered stable for up to 3 years. No records are maintained by NRM on date sampled or date dried so all samples within this report are considered not to be meeting the requirements of this BS / ISO. Consequently, all pH results given are those of the as-received sample and may not reflect the pH value of the sample when taken.

Conformity Assessment

Where a result has been converted to an index or if it has been classified as a pass or fail to a certain specification anywhere in this report a rule has been applied to convert the analytical result to that index or a pass/fail . Statistically the rule is a simple acceptance rule which does not account for uncertainty and therefore has a zero guard band which nominally has a width w=0. This means there is a 50% probability that a result exactly equal to the specification limit will be outside the specification.

The uncertainty of measurement has been calculated for the tests in this report. This value can provide further information on the validity of conformity statements close to the specification limit and is available from the laboratory on request.

Customer-supplied information

The following information in this report has been supplied by the customer: customer details; client details; quotation number / analysis required; order number; sampling date (if present); sample identifications.

END OF REPORT

t: +44(0)1344 886338 **w:** www.cawood.co.uk/nrm
NRM, Coopers Bridge, Braziers Lane, Bracknell, Berkshire RG42 6NS