

Sampling Point No:	340282	Location:	ELAN WTW SLUDGE TANKERING POINT
Date Sampled:	10/07/2025	Time Taken:	10:09
Laboratory:	ALS	Sample ID:	8443903
No. of Results:	20		
Sampling Reason:	WTW Sludge - Product Monitoring (SW_ME)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	719	mg/kg		
288 Aluminium	4790	mg/kg		
357 Arsenic	45.6	mg/kg		
4620 pH	7.0	pH		
7774 Mercury	0.45	mg/kg	<	
8241 Volatile solids	34.0	%		
9233 Ammoniacal nitrogen	442	mg/kg		
9234 Sulphur	3860	mg/kg		
9271 Cadmium	0.49	mg/kg	<	
9272 Chromium	33.4	mg/kg		
9273 Copper	35.0	mg/kg	<	
9275 Nickel	22.9	mg/kg	<	
9276 Lead	62.9	mg/kg		
9277 Zinc	320	mg/kg		
9278 Iron	404000	mg/kg		
9281 % Dry solids	4.50	%		
9282 % Minerals	66.0	%		
9283 % K (dry weight)	0.0390	mg/kg	<	
9284 % P (dry weight)	0.364	%		
9285 % N (dry weight)	0.867	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

Sampling Point No:	363244	Location:	TALYBONT WTW SLUDGE TANKERING POINT
Date Sampled:	10/07/2025	Time Taken:	10:01
Laboratory:	ALS	Sample ID:	8443884
No. of Results:	20		
Sampling Reason:	WTW Sludge - Product Monitoring (SW_ME)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	640	mg/kg		
288 Aluminium	70100	mg/kg		
357 Arsenic	18.8	mg/kg		
4620 pH	6.6	pH		
7774 Mercury	0.30	mg/kg	<	
8241 Volatile solids	50.6	%		
9233 Ammoniacal nitrogen	204	mg/kg		
9234 Sulphur	4730	mg/kg		
9271 Cadmium	0.43	mg/kg		
9272 Chromium	12.7	mg/kg	<	
9273 Copper	64.7	mg/kg		
9275 Nickel	20.5	mg/kg		
9276 Lead	18.3	mg/kg	<	
9277 Zinc	146	mg/kg		
9278 Iron	5090	mg/kg		
9281 % Dry solids	6.80	%		
9282 % Minerals	49.4	%		
9283 % K (dry weight)	0.0303	mg/kg		
9284 % P (dry weight)	0.172	%	<	
9285 % N (dry weight)	0.852	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit

LLYSWEN V CL SLUDGE TANK

Sampling Point No:	360173	Location:	LLYSWEN WTW SLUDGE TANKERING POINT
Date Sampled:	20/06/2025	Time Taken:	12:55
Laboratory:	ALS	Sample ID:	8420716
No. of Results:	20		
Sampling Reason:	WTW Sludge - Product Monitoring (SW_ME)		
Type:	WTW Sludge (SW)		

Sample Results

Code	Result	Units	Qualifier	Lower Limit
238 Magnesium	2990	mg/kg		
288 Aluminium	124000	mg/kg		
357 Arsenic	16.9	mg/kg		
4620 pH	7.3	pH		
7774 Mercury	0.98	mg/kg	<	
8241 Volatile solids	31.7	%		
9233 Ammoniacal nitrogen	6	mg/kg	<	
9234 Sulphur	4660	mg/kg		
9271 Cadmium	0.23	mg/kg	<	
9272 Chromium	11.7	mg/kg		
9273 Copper	38.4	mg/kg		
9275 Nickel	16.9	mg/kg		
9276 Lead	9.5	mg/kg		
9277 Zinc	154	mg/kg		
9278 Iron	22900	mg/kg		
9281 % Dry solids	4.11	%		
9282 % Minerals	68.3	%		
9283 % K (dry weight)	0.0926	mg/kg		
9284 % P (dry weight)	0.0974	%		
9285 % N (dry weight)	0.903	%		

Comments:

Signed:

Approved by:

Position:

Upper Limit



ANALYTICAL REPORT				
Report Number 84235-25	V537	JOLYON PRIDDING	Client	COURT FARM
Date Received 17-MAR-2025		4RECYCLING LTD		
Date Reported 31-MAR-2025		CONTROL HOUSE		
Project WASTE		A1 BUSINESS PARK		
Reference COURT FARM		KNOTTINGLEY ROAD		
Order Number		KNOTTINGLEY WF11 0BU		
Laboratory Reference		MANU170886		
Sample Reference		COURT FARM		
Determinand	Unit	DIGESTATE		
Oven Dry Matter	%	20.2		
Conductivity 1:6 [Fresh]	uS/cm	211		
Total Nitrogen	% w/w	0.59		
Ammonium Nitrogen	mg/kg	28.5		
Total Phosphorus (P)	mg/kg	1436		
Total Potassium (K)	mg/kg	637		
Total Magnesium (Mg)	mg/kg	1483		
Total Copper (Cu)	mg/kg	21.2		
Total Zinc (Zn)	mg/kg	50.2		
Total Sulphur (S)	mg/kg	1119		
Total Calcium (Ca)	mg/kg	14527		
Total Iron (Fe)	mg/kg	413246		
Total Molybdenum (Mo)	mg/kg	2.77		
Total Lead (Pb)	mg/kg	7.90		
Total Cadmium (Cd)	mg/kg	0.38		
Total Mercury (Hg)	mg/kg	<0.1		
Total Nickel (Ni)	mg/kg	25.2		
Total Chromium (Cr)	mg/kg	30.3		
Total Sodium (Na)	mg/kg	139		
pH 1:6 [Fresh]		7.08		
Organic Matter LOI	% w/w	14.5		
Lime Equivalent as CaCO3	% w/w	6.8		
Total Aluminium	mg/kg	4810		
Fluoride [100:1 H2SO4 Soluble]	mg/kg	10.5		
Total Arsenic (As)	mg/kg	14.7		

ANALYTICAL REPORT	
Report Number	84235-25
Date Received	17-MAR-2025
Date Reported	31-MAR-2025
Project	WASTE
Reference	COURT FARM
Order Number	
	V537
	JOLYON PRIDDING
	4RECYCLING LTD
	CONTROL HOUSE
	A1 BUSINESS PARK
	KNOTTINGLEY ROAD
	KNOTTINGLEY WF11 0BU
Laboratory Reference	MANU170886
Sample Reference	COURT FARM
Determinand	DIGESTATE
Total Selenium (Se)	1.80
Neutralising Value as CaO [TNV]	3.8
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.	
This test report shall not be reproduced, except in full, without the written approval of the laboratory.	
Document Control	
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

PAS110 2014 Certificate of Analysis

Client: BIOGEN BRYN PICA
(N488) WASTE DISPOSAL SITE
MERTHYR ROAD
LLWYDCOED
MID GLAMORGAN
CF44 0BX

Originator: BIOGEN BRYN PICA
WHOLE DIGESTATE

Lab ID: 13835 - 170382
Sample ID: BP ST 12/08/25
Sample Type: Whole Digestate

Certification Code: Blo-BRY-WD
BCS Number: BCS0316C78
Plant / Site Name: Biogen Uk Ltd

Date Received: 13/08/2025
Date Reported: 20/08/2025
Date Sampled: 12/08/2025

Potentially Toxic Elements in WD / SL / SF, on a fresh weight basis

Parameter	Units	Result	Upper Limit	Pass	Method of Test
Cadmium (Cd)	mg/kg	0.03	1.20 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Chromium (Cr)	mg/kg	0.94	80 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Copper (Cu)	mg/kg	2.91	160 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Lead (Pb)	mg/kg	<0.5	160 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Mercury (Hg)	mg/kg	<0.05	0.80 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Nickel (Ni)	mg/kg	2.50	40 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Zinc	mg/kg	14.4	320 mg / kg	Y	BS EN 15587 (soluble in aqua regia)

Physical contaminants in WD / SL / SF on a fresh weight basis

Parameter	Units	Result	Upper Limit	Pass	Method of Test
Plastics > 2mm	kg / t	0.008			NRM-SOP-JAS-497
Glass > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Metals > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Other > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Total > 2mm	kg / t	0.008	0.36 kg / t	Y	NRM-SOP-JAS-497
of which Sharps:	kg / t	Zero	Zero in sample tested	Y	NRM-SOP-JAS-497
Stones > 5mm	kg / t	Zero	32.0 kg / t		NRM-SOP-JAS-497

Zero - No visible contaminants were found in the sample as submitted

The sample was dispatched within one day of sampling
The sample was received within 24 hours of dispatch (48 for extreme geographical locations)
The sample was received within 72 hours of dispatch.
The sample was received in a cool box with ice packs

Released by: *Teresa Clyne* **Date:** 20/08/2025

PAS110 2014 Certificate of Analysis (Continued)

Client: BIOGEN BRYN PICA
(N488) WASTE DISPOSAL SITE
 MERTHYR ROAD
 LLWYDCOED
 MID GLAMORGAN
 CF44 0BX

Originator: BIOGEN BRYN PICA
 WHOLE DIGESTATE

Lab ID: 13835 - 170382
Sample ID: BP ST 12/08/25
Sample Type: Whole Digestate

Certification Code: Blo-BRY-WD
BCS Number: BCS0316C78
Plant / Site Name: Biogen Uk Ltd

Date Received: 13/08/2025
Date Reported: 20/08/2025
Date Sampled: 12/08/2025

Characteristics of WD / SL / SF for declaration, without limit values, that influence application rates
 (Results on an 'as received' basis)

Parameter	Units	Result	M *	Amount per fresh tonne or m ³	Amount applied at an equivalent total Nitrogen application of 250 kg N/ha	Units
pH		8.8	1			
Oven Dry Matter	% m/m	6.55	2	65.50	1530	Kg DM
Loss On Ignition	% m/m	3.54	3	35.40	827	Kg OM
Total Kjeldahl Nitrogen (N)	% m/m	1.07	4	10.70	250	Kg N
Ammoniacal Nitrogen (NH ₄ -N)	mg/kg	8077	5	8.08	188.68	Kg NH ₄ -N
Total Phosphorus (P)	mg/kg	724	6	1.66	38.73	Kg P ₂ O ₅
Total Potassium (K)	mg/kg	3911	6	4.69	109.63	Kg K ₂ O
Total Magnesium (Mg)	mg/kg	38.4	6	0.06	1.49	Kg MgO
Total Sulphur (S)	mg/kg	612	6	1.53	35.74	Kg SO ₃
Equivalent field application rate		—		1.00	23.36	tonnes or m ² / ha

*** Method of Test**

1 BS EN 13037

3 BS EN 15169

5 Sciantec SOP S1162 (Kjeldahl)

2 BS EN 14346

4 BS EN 13654-1 (Kjeldahl)

6 BS EN 15587 (soluble in aqua regia)

PAS110 2014 Certificate of Analysis (Continued)

Client: BIOGEN BRYN PICA
(N488) WASTE DISPOSAL SITE
 MERTHYR ROAD
 LLWYDCOED
 MID GLAMORGAN
 CF44 0BX

Originator: BIOGEN BRYN PICA
 WHOLE DIGESTATE

Lab ID: 13835 - 170382
Sample ID: BP ST 12/08/25
Sample Type: Whole Digestate

Certification Code: Blo-BRY-WD
BCS Number: BCS0316C78
Plant / Site Name: Biogen Uk Ltd

Date Received: 13/08/2025
Date Reported: 20/08/2025
Date Sampled: 12/08/2025

Pathogens (human and animal indicator species) in WD / SL / SF

Parameter	Units	Result	Result	Result	Result	Result	Pass	Method of Test
		Rep 1	Rep 2	Rep 3	Rep 4	Rep 5		
Salmonella		Absent	Absent	Absent	Absent	Absent	Y	Part II schedule of ABP regulations 2005
E. coli	CFU/g	<100	<100	<100	<100	<100	Y	Part III schedule of ABP regulations 2005

For Salmonella spp 5 out of 5 sub-sample results must be ABSENT in the quantity tested.

For Escherichia coli 4 out of 5 sub-sample results must be less than or equal to 1000 CFU/g but none may be greater than 5000 CFU/g.

Salmonella & E Coli testing is sub-contracted to a UKAS accredited testing laboratory which also meets the requirements for DEFRA ABPR testing.

How does your sample analysis compare with the 'standard' figures for organic manures?

Farmyard Manure	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Cattle FYM	25	6.0	3.2	9.4	2.4	1.8
Pig FYM	25	7.0	6.0	8.0	3.4	1.8
Sheep FYM	25	7.0	3.2	8.0	4.0	2.8
Duck FYM	25	6.5	5.5	7.5	2.6	2.4
Horse FYM	25	5.0	5.0	6.0	1.6	1.5
Goat FYM	40	9.5	4.5	12.0	2.8	1.8

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 60% & 90% respectively.

Poultry Manure	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
	20	9.4	8.0	8.5	3.0	2.7
	40	19.0	12.0	15.0	5.6	4.3
	60	28.0	17.0	21.0	8.2	5.9
	80	37.0	21.0	27.0	11.0	7.5

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 60% & 90% respectively.

Cattle & Pig Slurries	Dry Matter (% DM)	Total Nitrogen (Kg N/m3)	Total Phosphate (Kg P2O5/m3)	Total Potash (Kg K2O/m3)	Total Sulphur (Kg SO3/m3)	Total Magnesium (Kg MgO/m3)
Cattle slurry	6.0	2.6	1.2	2.5	0.7	0.6
Dirty water (from cattle)	0.5	0.5	0.1	1.0	0.1	0.1
Separated cattle slurries						
- strainer box liquid	1.5	1.5	0.3	1.5	ND	ND
- weeping wall liquid	3.0	2.0	0.5	2.3	ND	ND
- mechanically separated liquid	4.0	3.0	1.2	2.8	ND	ND
- solid portion after separation	20.0	4.0	2.0	3.3	ND	ND
Pig slurry	4.0	3.6	1.5	2.2	0.7	0.7
Separated pig slurry - liquid	3.0	3.6	1.1	2.0	ND	ND
Separated pig slurry - solid	20.0	5.0	3.7	2.0	ND	ND

Notes: ND = no data.

The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 50% & 90% respectively (50% & 100% for dirty water).

Biosolids	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Digested cake	25	11.0	11.0	0.6	8.2	1.6
Thermally dried	95	40.0	55.0	2.0	23.0	6.0
Lime stabilised	25	8.5	7.0	0.8	7.4	2.4
Composted	40	11.0	10.0	3.0	6.1	2.0

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 50% & 90% respectively.

Other Organic Manures	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Composts						
Green compost	60	7.5	3.0	6.8	3.4	3.4
Green/food compost	60	11.0	4.9	8.0	5.1	3.4
Mushroom compost	35	6.0	5.0	9.0	ND	ND
Digestates						
Food-based whole	4.1	4.8	1.1	2.4	0.7	0.2
Food-based separated liquor	3.8	4.5	1.0	2.8	1.0	0.2
Food-based separated fibre	27.0	8.9	10.2	3.0	4.0	2.2
Farm-sourced whole	5.5	3.6	1.7	4.0	0.8	0.6
Farm-sourced separated liquor	3.0	1.9	0.6	2.5	<0.1	0.4
Farm-sourced separated fibre	24.0	5.6	4.7	6.0	1.2	1.8
Paper Crumble						
Chemically / physically treated	40	2.0	0.4	0.2	0.6	1.4
Biologically treated	30	7.5	3.8	0.4	2.4	1.0
Water Treatment Cake						
Water treatment cake	25	2.4	3.4	0.4	5.5	0.8
Food industry 'wastes'						
Dairy waste	4	1.0	0.8	0.2	ND	ND
Soft drinks waste	4	0.3	0.2	Trace	ND	ND
Brewing waste	7	2.0	0.8	0.2	ND	ND
General food waste	5	1.6	0.7	0.2	ND	ND

Notes: ND = no data.

The 'standard' figures for the above organic manures have been taken from Defra's Fertiliser Manual 2017 (RB209) 9th edition and the corresponding PLANET version 3 software. Further information on fertiliser recommendations for organic manures can be obtained from the Fertiliser Manual or from a FACTS qualified adviser.

PAS110 2014 Certificate of Analysis

Client: WELSH WATER ORGANIC
(V253) ENERGY CARDIFF LTD
TREMORFA FOOD WASTE
FACILITY
TIDEFIELDS ROAD
TREMORFA CF24 5SB

Originator: CARDIFF TREMOFA
SEPARATED LIQUOR

Lab ID: 17695 - 171368
Sample ID: DT 08/09/2025
Sample Type: Separated Liquor

Certification Code: WEL-WEL-SL
BCS Number: BCS0319C125
Plant / Site Name: Cardiff Tremofa Food Waste

Date Received: 09/09/2025
Date Reported: 19/09/2025
Date Sampled: 08/09/2025

Potentially Toxic Elements in WD / SL / SF, on a fresh weight basis

Parameter	Units	Result	Upper Limit	Pass	Method of Test
Cadmium (Cd)	mg/kg	0.03	1.08 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Chromium (Cr)	mg/kg	0.48	72 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Copper (Cu)	mg/kg	1.62	144 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Lead (Pb)	mg/kg	<0.5	144 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Mercury (Hg)	mg/kg	<0.05	0.72 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Nickel (Ni)	mg/kg	1.38	36 mg / kg	Y	BS EN 15587 (soluble in aqua regia)
Zinc	mg/kg	11.4	288 mg / kg	Y	BS EN 15587 (soluble in aqua regia)

Physical contaminants in WD / SL / SF on a fresh weight basis

Parameter	Units	Result	Upper Limit	Pass	Method of Test
Plastics > 2mm	kg / t	0.033			NRM-SOP-JAS-497
Glass > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Metals > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Other > 2mm	kg / t	Zero			NRM-SOP-JAS-497
Total > 2mm	kg / t	0.033	0.32 kg / t	Y	NRM-SOP-JAS-497
of which Sharps:	kg / t	Zero	Zero in sample tested	Y	NRM-SOP-JAS-497
Stones > 5mm	kg / t	Zero	28.8 kg / t		NRM-SOP-JAS-497

Zero - No visible contaminants were found in the sample as submitted

The sample was dispatched within one day of sampling
The sample was received within 24 hours of dispatch (48 for extreme geographical locations)
The sample was received within 72 hours of dispatch.
The sample was received in a cool box with ice packs

Released by: *Teresa Clyne* **Date:** 19/09/2025

PAS110 2014 Certificate of Analysis (Continued)

Client: WELSH WATER ORGANIC
(V253) ENERGY CARDIFF LTD
TREMORFA FOOD WASTE
FACILITY
TIDEFIELDS ROAD
TREMORFA CF24 5SB

Originator: CARDIFF TREMOFA
SEPARATED LIQUOR

Lab ID: 17695 - 171368
Sample ID: DT 08/09/2025
Sample Type: Separated Liquor

Certification Code: WEL-WEL-SL
BCS Number: BCS0319C125
Plant / Site Name: Cardiff Tremofa Food Waste

Date Received: 09/09/2025
Date Reported: 19/09/2025
Date Sampled: 08/09/2025

Characteristics of WD / SL / SF for declaration, without limit values, that influence application rates
(Results on an 'as received' basis)

Parameter	Units	Result	M *	Amount per fresh tonne or m ³	Amount applied at an equivalent total Nitrogen application of 250 kg N/ha	Units
pH		8.5	1			
Oven Dry Matter	% m/m	6.21	2	62.10	1826	Kg DM
Loss On Ignition	% m/m	3.54	3	35.40	1041	Kg OM
Total Kjeldahl Nitrogen (N)	% m/m	0.85	4	8.50	250	Kg N
Ammoniacal Nitrogen (NH ₄ -N)	mg/kg	5628	5	5.63	165.52	Kg NH ₄ -N
Total Phosphorus (P)	mg/kg	915	6	2.10	61.62	Kg P ₂ O ₅
Total Potassium (K)	mg/kg	3055	6	3.67	107.82	Kg K ₂ O
Total Magnesium (Mg)	mg/kg	84.5	6	0.14	4.13	Kg MgO
Total Sulphur (S)	mg/kg	491	6	1.23	36.10	Kg SO ₃
Equivalent field application rate		—		1.00	29.41	tonnes or m ² / ha

*** Method of Test**

1 BS EN 13037

3 BS EN 15169

5 Sciantec SOP S1162 (Kjeldahl)

2 BS EN 14346

4 BS EN 13654-1 (Kjeldahl)

6 BS EN 15587 (soluble in aqua regia)

PAS110 2014 Certificate of Analysis (Continued)

Client: WELSH WATER ORGANIC
(V253) ENERGY CARDIFF LTD
 TREMORFA FOOD WASTE
 FACILITY
 TIDEFIELDS ROAD
 TREMORFA CF24 5SB

Originator: CARDIFF TREMOFA
 SEPARATED LIQUOR

Lab ID: 17695 - 171368
Sample ID: DT 08/09/2025
Sample Type: Separated Liquor

Certification Code: WEL-WEL-SL
BCS Number: BCS0319C125
Plant / Site Name: Cardiff Tremofa Food Waste
Date Received: 09/09/2025
Date Reported: 19/09/2025
Date Sampled: 08/09/2025

Pathogens (human and animal indicator species) in WD / SL / SF

Parameter	Units	Result	Result	Result	Result	Result	Pass	Method of Test
		Rep 1	Rep 2	Rep 3	Rep 4	Rep 5		
Salmonella		Absent	Absent	Absent	Absent	Absent	Y	Part II schedule of ABP regulations 2005
E. coli	CFU/g	<100	<100	<100	<100	<100	Y	Part III schedule of ABP regulations 2005

For Salmonella spp 5 out of 5 sub-sample results must be ABSENT in the quantity tested.

For Escherichia coli 4 out of 5 sub-sample results must be less than or equal to 1000 CFU/g but none may be greater than 5000 CFU/g.

Salmonella & E Coli testing is sub-contracted to a UKAS accredited testing laboratory which also meets the requirements for DEFRA ABPR testing.

How does your sample analysis compare with the 'standard' figures for organic manures?

Farmyard Manure	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Cattle FYM	25	6.0	3.2	9.4	2.4	1.8
Pig FYM	25	7.0	6.0	8.0	3.4	1.8
Sheep FYM	25	7.0	3.2	8.0	4.0	2.8
Duck FYM	25	6.5	5.5	7.5	2.6	2.4
Horse FYM	25	5.0	5.0	6.0	1.6	1.5
Goat FYM	40	9.5	4.5	12.0	2.8	1.8

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 60% & 90% respectively.

Poultry Manure	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
	20	9.4	8.0	8.5	3.0	2.7
	40	19.0	12.0	15.0	5.6	4.3
	60	28.0	17.0	21.0	8.2	5.9
	80	37.0	21.0	27.0	11.0	7.5

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 60% & 90% respectively.

Cattle & Pig Slurries	Dry Matter (% DM)	Total Nitrogen (Kg N/m3)	Total Phosphate (Kg P2O5/m3)	Total Potash (Kg K2O/m3)	Total Sulphur (Kg SO3/m3)	Total Magnesium (Kg MgO/m3)
Cattle slurry	6.0	2.6	1.2	2.5	0.7	0.6
Dirty water (from cattle)	0.5	0.5	0.1	1.0	0.1	0.1
Separated cattle slurries						
- strainer box liquid	1.5	1.5	0.3	1.5	ND	ND
- weeping wall liquid	3.0	2.0	0.5	2.3	ND	ND
- mechanically separated liquid	4.0	3.0	1.2	2.8	ND	ND
- solid portion after separation	20.0	4.0	2.0	3.3	ND	ND
Pig slurry	4.0	3.6	1.5	2.2	0.7	0.7
Separated pig slurry - liquid	3.0	3.6	1.1	2.0	ND	ND
Separated pig slurry - solid	20.0	5.0	3.7	2.0	ND	ND

Notes: ND = no data.

The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 50% & 90% respectively (50% & 100% for dirty water).

Biosolids	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Digested cake	25	11.0	11.0	0.6	8.2	1.6
Thermally dried	95	40.0	55.0	2.0	23.0	6.0
Lime stabilised	25	8.5	7.0	0.8	7.4	2.4
Composted	40	11.0	10.0	3.0	6.1	2.0

Notes: The 'standard' phosphate & potash availability figures to the next crop grown from Defra's Fertiliser Manual are 50% & 90% respectively.

Other Organic Manures	Dry Matter (% DM)	Total Nitrogen (Kg N/t)	Total Phosphate (Kg P2O5/t)	Total Potash (Kg K2O/t)	Total Sulphur (Kg SO3/t)	Total Magnesium (Kg MgO/t)
Composts						
Green compost	60	7.5	3.0	6.8	3.4	3.4
Green/food compost	60	11.0	4.9	8.0	5.1	3.4
Mushroom compost	35	6.0	5.0	9.0	ND	ND
Digestates						
Food-based whole	4.1	4.8	1.1	2.4	0.7	0.2
Food-based separated liquor	3.8	4.5	1.0	2.8	1.0	0.2
Food-based separated fibre	27.0	8.9	10.2	3.0	4.0	2.2
Farm-sourced whole	5.5	3.6	1.7	4.0	0.8	0.6
Farm-sourced separated liquor	3.0	1.9	0.6	2.5	<0.1	0.4
Farm-sourced separated fibre	24.0	5.6	4.7	6.0	1.2	1.8
Paper Crumble						
Chemically / physically treated	40	2.0	0.4	0.2	0.6	1.4
Biologically treated	30	7.5	3.8	0.4	2.4	1.0
Water Treatment Cake						
Water treatment cake	25	2.4	3.4	0.4	5.5	0.8
Food industry 'wastes'						
Dairy waste	4	1.0	0.8	0.2	ND	ND
Soft drinks waste	4	0.3	0.2	Trace	ND	ND
Brewing waste	7	2.0	0.8	0.2	ND	ND
General food waste	5	1.6	0.7	0.2	ND	ND

Notes: ND = no data.

The 'standard' figures for the above organic manures have been taken from Defra's Fertiliser Manual 2017 (RB209) 9th edition and the corresponding PLANET version 3 software. Further information on fertiliser recommendations for organic manures can be obtained from the Fertiliser Manual or from a FACTS qualified adviser.