

07.10.14 Re-Sample Cover Validation following exceedance: D1B-SS4I



07.10.14 Re-Sample Cover Validation following exceedance: D1B-SS4K



07.10.14 Strip of formation level -400mm following delineation of exceedance in SS6



07.10.14 Re-Sample Cover Validation following exceedance: D1B-SS4J



07.10.14 Strip of formation level -400mm following delineation of exceedance in SS6



07.10.14 Strip of formation level -400mm following delineation of exceedance in SS6

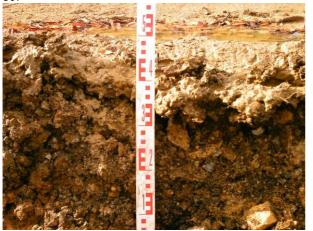


07.10.14 Strip of formation level -400mm following delineation of exceedance in SS6



22.10.14 Re-Sample Cover Validation following exceedance: D1B-SS38A

40.



22.10.14 Re-Sample Cover Validation following exceedance: D1B-SS38B

No Photo

22.10.14 Re-Sample Cover Validation following exceedance: D1B-SS38C (No photo due to camera fault)



22.10.14 Re-Sample Cover Validation following exceedance: D1B-SS38D



22.10.14 Strip of formation level -400mm following delineation of exceedance in SS4



22.10.14 Strip of formation level -400mm following delineation of exceedance in SS4



22.10.14 Strip of formation level -400mm following delineation of exceedance in SS4

## **APPENDIX C**

**Analytical Results** 





Chemtest Ltd. **Depot Road** Newmarket CB8 0AL Tel: 01638 606070

Email: info@chemtest.co.uk

# **Final Report**

**Report Number:** 14-11756 Issue-1

**Initial Date of Issue:** 15-Oct-14

Client: Smith Grant LLP

**Client Address:** Station House, Station Road

> Ruabon Wrexham **LL14 6DL**

Contact(s): Dan Wayland

**Project: Upper Heyford (Dorchester)** 

**Quotation No.: Date Received:** 09-Oct-14

Order No.: **Date Instructed:** 09-Oct-14

No. of Samples: 30 **Results Due:** 15-Oct-14

**Turnaround:** 

5 (Weekdays)

**Date Approved:** 15-Oct-14

Approved By:

**Details:** Darrell Hall, Laboratory Director



Client: Smith Grant LLP		Cher	ntest Jo	ob No.:	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756
Quotation No.:	C	Chemte	st Sam	ple ID.:	57418	57419	57420	57421	57422	57423	57424	57425	57426
Order No.:		Clier	nt Samp	le Ref.:	D1B								
		Clie	nt Sam	ple ID.:	SS45	SS49	SS55	SS56	SS58	SS62	SS66	SS69	SS4F
	Sample Type				SOIL								
	Top Depth (m)				0	0	0	0	0	0	0	0	0
		Во	ttom De	pth(m):	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
			Date Sa	ampled:	07-Oct-14								
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	U 2192			=	-	=	-	-	=	-	-	-
Asbestos Identification	U	U 2192 % 0.001		0.001	No Asbestos Detected								



Client: Smith Grant LLP		Che	mtest J	ob No.:	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756
Quotation No.:	(	Chemte	est Sam	ple ID.:	57427	57428	57429	57430	57431	57432	57433	57434	57435
Order No.:		Clie	nt Samp	le Ref.:	D1B								
		Clie	nt Sam	ple ID.:	SS4G	SS4H	SS4I	SS4J	SS4K	SE-S4	SE-S5	SE-S6	SE-S7
	Sample Type				SOIL								
	Top Depth (m)				0								
		Во	ttom De	epth(m):	0.4								
			Date Sa	ampled:	07-Oct-14	07-Oct-14	07-Oct-14	07-Oct-14	07-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U				-	-	=	-	-	-	-	=	=
Asbestos Identification	U	U 2192 % 0.001		0.001	No Asbestos Detected								



Client: Smith Grant LLP		Chei	mtest J	ob No.:	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756	14-11756
Quotation No.:		Chemte	st Sam	ple ID.:	57436	57437	57438	57439	57440	57441	57442	57443	57444
Order No.:		Clier	nt Samp	le Ref.:	D1B	D1B	D1B	D1B	D1B	D1B	D1B	D1B	D1B
		Clie	nt Sam	ple ID.:	SE-S8	SE-S9	SE-S10	SUB-1	SUB-2	SUB-3	SW-S9	SW-S10	SW-S11
	Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):												
		Во	ttom De	pth(m):									
			Date Sa	ampled:	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14	08-Oct-14
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	11 0400		-	-	-	cement	=	-	-	=	-	
Asbestos Identification	U			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Chrysotile	No Asbestos Detected					



Client: Smith Grant LLP		Che	mtest Jo	ob No.:	14-11756	14-11756	14-11756
Quotation No.:	(	Chemte	st Sam	ple ID.:	57445	57446	57447
Order No.:		Clie	nt Samp	le Ref.:	D1B	D1B	D1B
		Clie	nt Sam	ple ID.:	SW-S12	SW-S13	SW-S14
			Sampl	е Туре:	SOIL	SOIL	SOIL
			Top Dep	oth (m):			
		Во	ttom De	epth(m):			
			Date Sa	ampled:	08-Oct-14	08-Oct-14	08-Oct-14
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192			-	-	-
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected



### **Report Information**

### Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable sample
- N/E not evaluated
  - < "less than"
  - > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

- A Date of sampling not supplied
- B Sample age exceeds stability time (sampling to extraction)
- C Sample not received in appropriate containers

### **Sample Retention and Disposal**

All soil samples will be retained for a period of 1 month following the date of the test report

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to: <u>customerservices@chemtest.co.uk</u>





Chemtest Ltd. **Depot Road** Newmarket CB8 0AL Tel: 01638 606070

Email: info@chemtest.co.uk

# **Final Report**

**Report Number:** 14-10872 Issue-1

**Initial Date of Issue:** 02-Oct-14

Client: Smith Grant LLP

**Client Address:** Station House, Station Road

> Ruabon Wrexham **LL14 6DL**

Contact(s): Dan Wayland

**Project: Heyford Park** 

**Quotation No.: Date Received:** 26-Sep-14

Order No.: **Date Instructed:** R1742b 26-Sep-14

No. of Samples: 17 **Results Due:** 02-Oct-14

**Turnaround:** 

5 (Weekdays)

**Date Approved:** 02-Oct-14

Approved By:

Details: Keith Jones, Technical Manager



**Project: Heyford Park** 

Client: Smith Grant LLP		Che	mtest J	ob No.:	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872
Quotation No.:	(	Chemte	st Sam	ple ID.:	52974	52975	52976	52977	52978	52979	52980	52981	52982
Order No.: R1742b		Clie	nt Samp	le Ref.:	D1B	D1B							
		Clie	nt Sam	ple ID.:	SS36	SS37	SS38	SS39	SS40	SS41	SS42	SS43	SS46
	Sample Type				SOIL	SOIL							
			Top De	oth (m):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Во	ttom De	pth(m):	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
			Date Sa	ampled:	24-Sep-14	24-Sep-14							
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U 2192			-	-	=	-	-	-	-	=	-	
Asbestos Identification	U 2192 % 0.001		0.001	No Asbestos Detected									



**Project: Heyford Park** 

Client: Smith Grant LLP		Che	mtest J	ob No.:	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872	14-10872
Quotation No.:		Chemte	st Sam	ple ID.:	52983	52984	52985	52986	52987	52988	52989	52990
Order No.: R1742b		Clie	nt Samp	le Ref.:	D1B							
		Clie	nt Sam	ple ID.:	SS47	SS48	SS50	SS51	SS52	SS53	SS54	SS57
			Sampl	е Туре:	SOIL							
			Top De	oth (m):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Во	ttom De	pth(m):	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
			Date Sa	ampled:	24-Sep-14							
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192			=	-	-	-	-	=	-	-
Asbestos Identification	U			0.001	No Asbestos Detected							



### **Report Information**

### Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable sample
- N/E not evaluated
  - < "less than"
  - > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

- A Date of sampling not supplied
- B Sample age exceeds stability time (sampling to extraction)
- C Sample not received in appropriate containers

### **Sample Retention and Disposal**

All soil samples will be retained for a period of 1 month following the date of the test report

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to: <u>customerservices@chemtest.co.uk</u>





Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL

Tel: 01638 606070 Email: info@chemtest.co.uk

# **Final Report**

Report Number: 14-09783 Issue-1

Initial Date of Issue: 16-Sep-14

Client: Smith Grant LLP

Client Address: Station House, Station Road

Ruabon Wrexham LL14 6DL

Contact(s): Dan Wayland

**Project:** R1742B Upper Heyford (Dorchester)

Quotation No.: Date Received: 12-Sep-14

Order No.: Date Instructed: 12-Sep-14

No. of Samples: 14 Results Due: 16-Sep-14

Turnaround: (Weekdays)

Date Approved: 16-Sep-14

Approved By:

**Details:** Keith Jones, Technical Manager



Client: Smith Grant LLP		Che	mtest J	ob No.:	14-09783	14-09783	14-09783	14-09783	14-09783	14-09783	14-09783	14-09783	14-09783
Quotation No.:	(	Chemte	st Sam	ple ID.:	47946	47947	47948	47949	47950	47951	47952	47953	47954
Order No.:		Clie	Client Sample Ref.:		D1B	D1B							
		Clie	nt Sam	ple ID.:	SW-AGG1	SW-AGG2	SW-AGG3	SW-AGG4	SW-AGG5	SW-AGG6	SW-AGG7	SW-AGG8	SS6-B
		Sample Type			SOIL	SOIL							
	Top Depth (m)												
		Во	ttom De	pth(m):									
			Date Sa	ampled:	10-Sep-14	10-Sep-14							
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		-	-	1	•	-	-	-	-	•	
Asbestos Identification	U	2192 % 0.001		No Asbestos Detected									



Client: Smith Grant LLP		Che	mtest J	ob No.:	14-09783	14-09783	14-09783	14-09783	14-09783
Quotation No.:	(	Chemte	st Sam	ple ID.:	47955	47956	47957	47958	47959
Order No.:		Clie	nt Samp	le Ref.:	D1B	D1B	D1B	D1B	D1B
	Client Sample I Sample Ty			ple ID.:	SS6-C	SS6-D	SS6-E	SS6-F	SS6-G
	Sample Typ Top Depth (m				SOIL	SOIL	SOIL	SOIL	SOIL
			Top De	pth (m):					
	Bottom Depth(m								
			Date Sa	ampled:	10-Sep-14	10-Sep-14	10-Sep-14	10-Sep-14	10-Sep-14
Determinand	Accred.	SOP	Units	LOD					
АСМ Туре	U 2192		-	-	-	-	-		
Asbestos Identification	<del>                                     </del>		0.001	No Asbestos Detected					



### **Report Information**

### Key

- U UKAS accredited
- M MCERTS and UKAS accredited
- N Unaccredited
- S This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
- SN This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
- T This analysis has been subcontracted to an unaccredited laboratory
- I/S Insufficient Sample
- U/S Unsuitable sample
- N/E not evaluated
  - < "less than"
  - > "greater than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

- A Date of sampling not supplied
- B Sample age exceeds stability time (sampling to extraction)
- C Sample not received in appropriate containers

### **Sample Retention and Disposal**

All soil samples will be retained for a period of 1 month following the date of the test report

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to: customerservices@chemtest.co.uk





Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL

Tel: 01638 606070 Email: info@chemtest.co.uk

# **Final Report**

Report Number: 14-08441 Issue-1

Initial Date of Issue: 01-Sep-14

Client: Smith Grant LLP

Client Address: Station House, Station Road

Ruabon Wrexham LL14 6DL

Contact(s): Dan Wayland

**Project:** R1742B - Upper Heyford (Dorchester)

Quotation No.: Date Received: 21-Aug-14

Order No.: Date Instructed: 21-Aug-14

No. of Samples: 35 Results Due: 01-Sep-14

Turnaround: 7 (Weekdays)

Date Approved: 01-Sep-14

Approved By:

**Details:** Keith Jones, Technical Manager



Report Number: 14-08441 Issue-1

Client: Smith Grant LLP		Chemte	est Sam	ple ID.:	42050	42051	42052	42053	42054	42055	42056	42057	42058
Quotation No.:		Clie	nt Samp	le Ref.:									
Order No.:		Clie	nt Sam	ple ID.:	D1B-SS1	D1B-SS2	D1B-SS3	D1B-SS4	D1B-SS5	D1B-SS6	D1B-SS7	D1B-SS8	D1B-SS9
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):												
	Bottom Depth(m)			epth(m):									
			Date Sa	ampled:	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14	18-Aug-14
Determinand	Accred.	SOP	Units	LOD									
АСМ Туре	U	2192			-	-	-	-	-	Fibres/Clumps	-	-	-
Asbestos Identification	U 2192 % 0.001		No Asbestos Detected	Amosite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected						



Report Number: 14-08441 Issue-1

Client: Smith Grant LLP	(	Chemte	est Sam	ple ID.:	42059	42060	42061	42062	42063	42064	42065	42066	42067
Quotation No.:		Clie	nt Samp	le Ref.:									
Order No.:		Client Sample ID.			D1B-SS10	D1B-SS11	D1B-SS12	D1B-SS13	D1B-SS14	D1B-SS15	D1B-SS16	D1B-SS17	D1B-SS18
		Sample Type			SOIL	SOIL	SOIL						
	Top Depth (m):												
	Bottom Depth(m):			epth(m):									
			Date Sa	ampled:	18-Aug-14	18-Aug-14	18-Aug-14						
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U 2192		-	-	1	1	-	-	-	-	-		
Asbestos Identification	U 2192 % 0.001		No Asbestos Detected										



Report Number: 14-08441 Issue-1

Client: Smith Grant LLP		Chemte	st Sam	ple ID.:	42068	42069	42070	42071	42072	42073	42074	42075	42076
Quotation No.:		Clie	nt Samp	le Ref.:									
Order No.:		Client Sample ID.		ple ID.:	D1B-SS19	D1B-SS20	D1B-SS21	D1B-SS22	D1B-SS23	D1B-SS24	D1B-SS25	D1B-SS26	D1B-SS27
	Sample Type:		SOIL										
	Top Depth (m):												
	Bottom Depth(m)												
			Date Sa	ampled:	18-Aug-14	18-Aug-14	18-Aug-14						
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U 2192		ı	-	-	1	-	1	-	-	-		
Asbestos Identification	U 2192 % 0.001		No Asbestos Detected										



Report Number: 14-08441 Issue-1

Client: Smith Grant LLP		Chemte	est Sam	ple ID.:	42077	42078	42079	42080	42081	42082	42083	42084
Quotation No.:		Clie	nt Samp	le Ref.:								
Order No.:		Clie	nt Sam	ple ID.:	D1B-SS28	D1B-SS29	D1B-SS30	D1B-SS31	D1B-SS32	D1B-SS33	D1B-SS34	D1B-SS35
			Sampl	е Туре:	SOIL							
			Top De	oth (m):								
		Во	ttom De	pth(m):								
			Date Sa	ampled:	18-Aug-14							
Determinand	Accred.	SOP	Units	LOD								
АСМ Туре	U	1 0400			1	-	1	1	-	1	-	-
Asbestos Identification	U				No Asbestos Detected							



"greater than"

### **Report Information**

K	6	ν
	·	y

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
Т	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
J/S	Unsuitable sample
I/E	not evaluated
<	"less than"

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVCOs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at our Coventry laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

- A Date of sampling not supplied
- B Sample age exceeds stability time (sampling to extraction)
- C Sample not received in appropriate containers

### **Sample Retention and Disposal**

All soil samples will be retained for a period of 1 month following the date of the test report All water samples will be retained for 7 days following the date of the test report Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to: <u>customerservices@chemtest.co.uk</u>







Client

Urban Regen Ltd

Address

23 Spring Vale Off Bury Road Edgeworth Bolton BL7 0FS

Contract Upper Heyford

Job Number MRN 2305/80

Date of Issue 12 November 2014

Page 1 of 3

Approved Signatory

S J Hutchings, A W Hutchings, A Richardson

### Notes

- All remaining samples and remnants from this contract will be disposed 28 days 1 from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- Opinions and interpretations expressed herein are outside the scope of our UKAS 3 accreditation
- Certified that the samples have been examined and tested in accordance with the 4 terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted. This does not, however, guarantee the balance of the materials from which the tested samples have been taken to be of equal quality.



33C VAUXHALL INDUSTRIAL ESTATE GREG STREET, REDDISH, STOCKPORT SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

## DETERMINATION OF CONSTITUENTS OF COURSE RECYCLED AGGREGATE BS EN 933-11:2009

Client.

Urban Regen Ltd

Site

Upper Heyford

SAMPLE DETAILS

Job number.

MRN 2305/80

Laboratory sample number. Material 59908

Advised Source

6F2 Site Won

Site mark.

D1B-Northeast-Sample-1

Certificate of sampling received.

No

Date and time of sampling.

Date received at Laboratory.

22 October 2014 22 October 2014

Date received at Laboratory. :

23 October 2014

Sampling location.

Site

Method of sampling.

BS EN 932-1:1997

Sampled by.
Mass of dry sample tested

Client 50 kg

Drying Temperature

 $110 \pm 5$ °C

### RESULT

Constituent	Description	Proportion (%)
Rc	Concrete, Concrete Products, Mortar, Concrete masonry units	93
Ru	Unbound aggregate, natural stone, Hydraulically bound aggregate	0.0
Rb	Clay masonry units (i.e. bricks & tiles), Calcium silicate masonry units, Aerated non-floating concrete	6.4
Ra	Bituminous materials	0.6
Rg	Glass	0.0
X	Other: Cohesive (i.e. clay & soil), Metals (ferrous & non-ferrous, non-floating wood, plastic and rubber, Gypsum plaster	0.0
FL	Floating Particles	0.0 cm <sup>3</sup> /kg

Comment

Signed

NAME

S.J.Hutchings

(Director)

Page 7 of ?

Date

12 November 2014

33C VAUXHALL INDUSTRIAL ESTATE GREG STREET, REDDISH, STOCKPORT SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

# DETERMINATION OF CONSTITUENTS OF COURSE RECYCLED AGGREGATE BS EN 933-11:2009

Client.

Urban Regen Ltd

Site

Upper Heyford

SAMPLE DETAILS

Job number. : MRN 2305/80

Laboratory sample number. : 59916

Material : 6F2

Advised Source : Site Won

Site mark. : B31-Sample-1

Certificate of sampling received. : No

Date and time of sampling. : 22 October 2014
Date received at Laboratory. : 22 October 2014
Date of start of test : 23 October 2014

Sampling location. : Site

Method of sampling. : BS EN 932-1:1997

Sampled by. : Client Mass of dry sample tested : 50 kg Drying Temperature  $110 \pm 5^{\circ}\text{C}$ 

## RESULT

Constituent	Description	Proportion (%)
Rc	Concrete, Concrete Products, Mortar, Concrete masonry units	94
Ru	Unbound aggregate, natural stone, Hydraulically bound aggregate	0.0
Rb	Clay masonry units (i.e. bricks & tiles), Calcium silicate masonry units, Aerated non-floating concrete	5.5
Ra	Bituminous materials	0.5
Rg	Glass	0.0
X	Other: Cohesive (i.e. clay & soil), Metals (ferrous & non-ferrous, non-floating wood, plastic and rubber, Gypsum plaster	0.0
FL	Floating Particles	0.0 cm <sup>3</sup> /kg

Comment

Signed

NAME

S.J.Hutchings

(Director)

Page 3 of 3

Date

12 November 2014







Client

Urban Regen Ltd

Address

23 Spring Vale Off Bury Road Edgeworth Bolton BL7 OFS

Contract Upper Heyford

Job Number MRN 2305/80

Date of Issue 04 November 2014

Page 1 of 13

**Approved Signatory** 

S J Hutchings, A W Hutchings, A Richardson

### Notes

- All remaining samples and remnants from this contract will be disposed 28 days 1 from the date of this report unless you notify us to the contrary.
- Result certificates, in this report, not bearing a UKAS mark, are not included in 2 our UKAS accreditation schedule.
- Opinions and interpretations expressed herein are outside the scope of our UKAS 3 accreditation
- Certified that the samples have been examined and tested in accordance with the 4 terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted. This does not, however, guarantee the balance of the materials from which the tested samples have been taken to be of equal quality.



33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

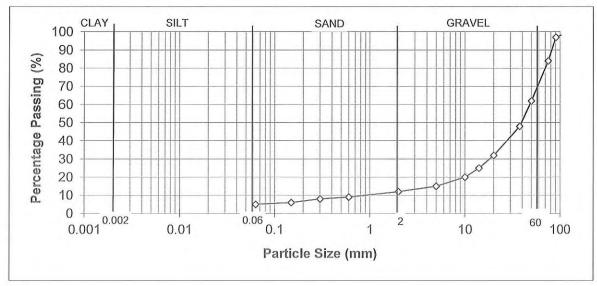
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-Northeast-Sample-1	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59908	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size	% Passing	Specification	Sieve Size	% Passing	Specification
(mm)	(%)	(%)	(mm)	(%)	(%)
125	100	100	10	20	15-60
90	97	80-100	5	15	10-45
75	84	65-100	2	12	
50	62		0.6	9	0-25
37.5	48	45-100	0.3	8	
20	32		0.15	6	
14	25		0.063	5	0-12



REMARKS

As received moisture content = 7.6%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

(Deputy Laboratory Manager)

DATE

04-Nov-14

Page Zof 13

DA

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

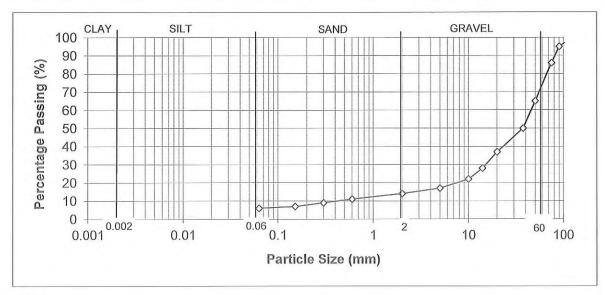
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-Northeast-Sample-2	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59909	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	22	15-60
90	95	80-100	5	17	10-45
75	86	65-100	2	14	
50	65		0.6	11	0-25
37.5	50	45-100	0.3	9	
20	37		0.15	7	
14	28		0.063	6	0-12



REMARKS

As received moisture content = 7.8%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page 3 of 13

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### TEST CERTIFICATE

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

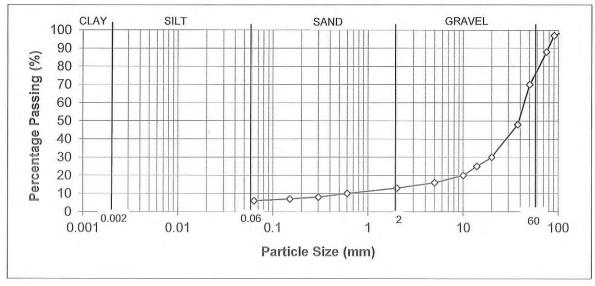
Determination of Moisture Content in accordance with BS 1377; PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-Northeast-Sample-3	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	55910	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	20	15-60
90	97	80-100	5	16	10-45
75	88	65-100	2	13	
50	70		0.6	10	0-25
37.5	48	45-100	0.3	8	
20	30		0.15	7	
14	25		0.063	6	0-12



### REMARKS

As received moisture content = 7.7%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page(Jof ) 3

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

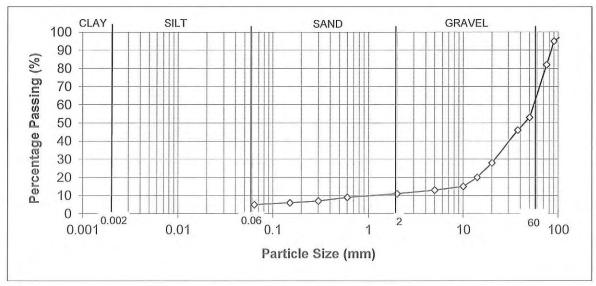
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-South East-Sample-1	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59911	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	15	15-60
90	95	80-100	5	13	10-45
75	82	65-100	2	11	
50	53		0.6	9	0-25
37.5	46	45-100	0.3	7	
20	28		0.15	6	
14	20		0.063	5	0-12



REMARKS

As received moisture content = 8.4%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page Sof 1 3

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

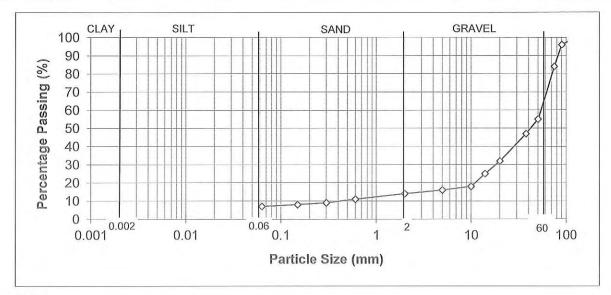
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-South West-Sample-1	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59912	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	18	15-60
90	96	80-100	5	16	10-45
75	84	65-100	2	14	
50	55		0.6	11	0-25
37.5	47	45-100	0.3	9	
20	32		0.15	8	
14	25		0.063	7	0-12



REMARKS

As received moisture content = 8.1%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page Gof ) 3

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### TEST CERTIFICATE

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

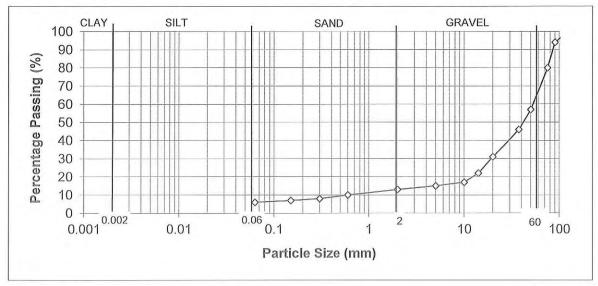
Determination of Moisture Content in accordance with BS 1377; PART 2; Clause 3; 1990 (Oven Drv)

Determination	Betermination of Molecule Content in accordance with Bo 1017. 17111 2. Glade 6. 1000 (CVGH B1)				
CLIENT	Urban Regen Ltd				
SITE	Upper Heyford				
JOB NUMBER	MRN 2305/80				

SAMPLE LABEL	D1B-South West-Sample-2	DATE SAMPLED	22-Oct-14	
LAB SAMPLE No	59913	DATE RECEIVED	22-Oct-14	
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix	

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size	% Passing	Specification	Sieve Size	% Passing	Specification
(mm)	(%)	(%)	(mm)	(%)	(%)
125	100	100	10	17	15-60
90	94	80-100	5	15	10-45
75	80	65-100	2	13	
50	57		0.6	10	0-25
37.5	46	45-100	0.3	8	
20	31		0.15	7	
14	22		0.063	6	0-12



REMARKS

As received moisture content = 8.2%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page Fof 13

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

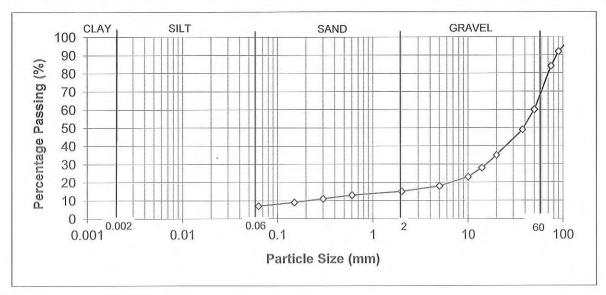
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-West-Sample-1	DATE SAMPLED	22-Oct-14	
LAB SAMPLE No	59914	DATE RECEIVED	22-Oct-14	
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix	

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	23	15-60
90	92	80-100	5	18	10-45
75	84	65-100	2	15	
50	60		0.6	13	0-25
37.5	49	45-100	0.3	11	
20	35		0.15	9	
14	28		0.063	7	0-12



REMARKS

As received moisture content = 9.0%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

(Deputy Laboratory Manager)

04-Nov-14

Page of 13

DATE

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

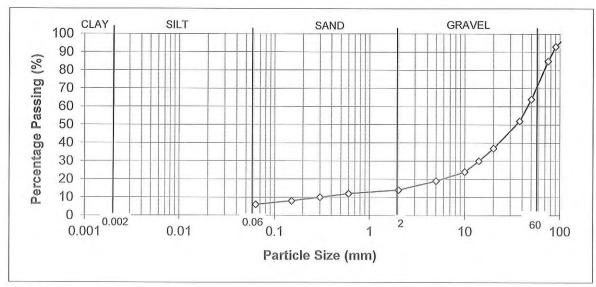
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	D1B-West-Sample-2	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59915	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size	% Passing	Specification	Sieve Size	% Passing	Specification
(mm)	(%)	(%)	(mm)	(%)	(%)
125	100	100	10	24	15-60
90	93	80-100	5	19	10-45
75	85	65-100	2	14	
50	64		0.6	12	0-25
37.5	52	45-100	0.3	10	
20	37		0.15	8	
14	30		0.063	6	0-12



### REMARKS

As received moisture content = 8.9%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page Oof)

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### TEST CERTIFICATE

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

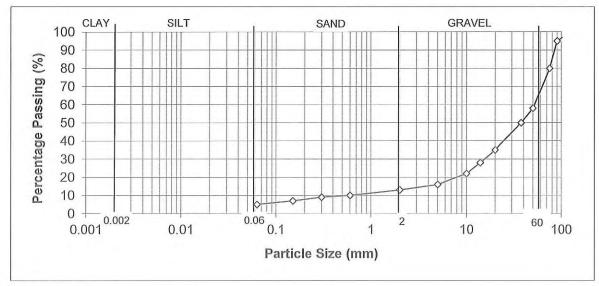
Determination of Moisture Content in accordance with BS 1377: PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	B31-Sample-1	DATE SAMPLED	22-Oct-14
LAB SAMPLE No	59916	DATE RECEIVED	22-Oct-14
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix

MATERIAL	6F2
ADVISED SOURCE	Site Won

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	10	22	15-60
90	95	80-100	5	16	10-45
75	80	65-100	2	13	
50	58		0.6	10	0-25
37.5	50	45-100	0.3	9	
20	35		0.15	7	
14	28		0.063	5	0-12



REMARKS

As received moisture content = 7.9%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Page Oof 13

33C Vauxhall Ind. Estate, Greg Street Reddish, Stockport SK5 7BR TEL 0161 475 0870 FAX 0161 475 0871



### **TEST CERTIFICATE**

### PARTICLE SIZE DISTRIBUTION

BS 1377: PART 2: Clause 9.2: 1990

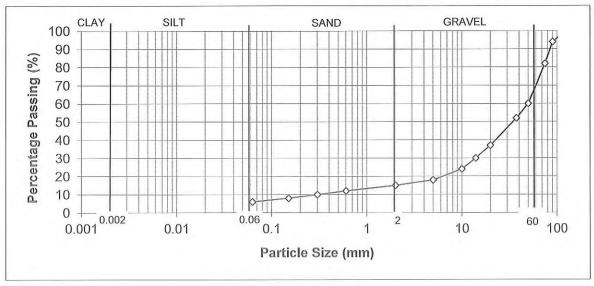
Determination of Moisture Content in accordance with BS 1377; PART 2: Clause 3: 1990 (Oven Dry)

CLIENT	Urban Regen Ltd
SITE	Upper Heyford
JOB NUMBER	MRN 2305/80

SAMPLE LABEL	B31-Sample-2	DATE SAMPLED	22-Oct-14	
LAB SAMPLE No	59917	DATE RECEIVED	22-Oct-14	
DATE TESTED	23-Oct-14	SAMPLED BY	Murray Rix	

MATERIAL	6F2
	Site Won

Sieve Size	% Passing	Specification	Sieve Size	% Passing	Specification
(mm)	(%)	(%)	(mm)	(%)	(%)
125	100	100	10	24	15-60
90	94	80-100	5	18	10-45
75	82	65-100	2	15	
50	60		0.6	12	0-25
37.5	52	45-100	0.3	10	
20	37		0.15	8	
14	30		0.063	6	0-12



### REMARKS

As received moisture content = 7.7%

Sample complies with the advised grading specification for a 6F2 material (SHW 2009)

SIGNED

NAME

A Richardson

DATE

04-Nov-14

Pagell of 13