

Construction Testing Solutions

19 Melfort Court
Hardwick Grange
Woolston
WA1 4RZ

Analytical Test Report: L24/08383/CTS - 24-49630

Your Project Reference:	Downing Project, First Street		
Your Order Number:	PO-2901	Testing Received / Instructed:	11/09/2024 / 11/09/2024
Report Issue Number:	1	Sample Tested:	11/09 to 25/09/2024
Samples Analysed:	3 Sample(s)	Report issued:	25/09/2024

Signed



James Gane
Analytical Services Manager
CTS Group

Notes:

Samples will be retained for 14 days after issue of this report unless otherwise requested.

The results included within the report are representative of the samples submitted for analysis.

A certificate of sampling was not supplied

Samples were supplied by customer, results apply to the samples as received.

Within the report any information provided by the client is identified with a "H"

Where specification limits are included these are for guidance only. Where a measured value has been highlighted this is not implying acceptance or failure and certainty of measurement values have not been taken into account.

Uncertainty of measurement values are available on request.

Accreditation Key

UKAS = UKAS Accreditation, u = Unaccredited

Date of Issue: 24.09.24

Issued by: J. Gane

Issue No: 1

Rev No: 11

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Project Reference - Downing Project, First Street

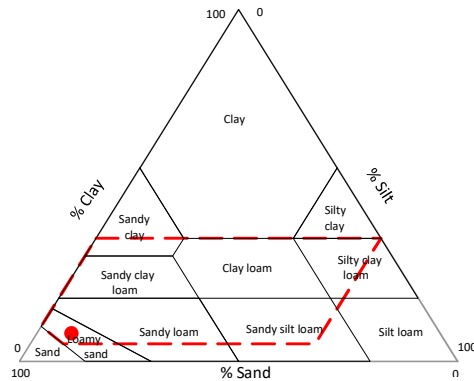
Analytical Test Results - BS3882 Topsoil Analysis

Lab Reference		397579
Client Sample ID	S0169/1	
Client Sample Location	Subsoil	
Client Sample Type	-	
Client Sample Number	-	
Depth - Top (m)	-	
Depth - Bottom (m)	-	
Date of Sampling	26/08/2024	
Time of Sampling	-	

Sample Description Brown gravelly silty sand with occasional organic matter

Determinant	Units	Determined result	Multipurpose	Acidic	Calcareous	Low Fertility	Low Fertility - Acidic	Low Fertility - Calcareous
Soil Texture Class	-	Loamy sand	Y	Y	Y	Y	Y	Y
Maximum Coarse Fragment Content (% m/m)								
>2 mm	%	8	Y	Y	Y	Y	Y	Y
>20 mm	%	0	Y	Y	Y	Y	Y	Y
>50 mm	%	0	Y	Y	Y	Y	Y	Y
Mass loss on ignition % (varying with clay content);								
Clay 5-20%	%	3.8	Y	Y	Y	Y	Y	Y
Clay 20-35%	%							
Soil pH value	pH units	8.2	Y	N	Y	Y	N	Y
Carbonate (calcareous only)	%	12			Y			Y
Available Plant Nutrient Content								
Nitrogen	%	0.1	N	N	N			
Extractable Phosphorous	mg/l	19	Y	Y	Y	Y	Y	Y
Extractable Potassium	mg/l	660	Y	Y	Y			
Extractable Magnesium	mg/l	210	Y	Y	Y			
Carbon: Nitrogen Ratio	-	22:1	N	N	N	Y	Y	N
Soil Electrical Conductivity	µScm-1	2280	Y					
Phytotoxic Contaminants (by soil pH)								
Zinc	mg/kg	110	Y	Y	Y	Y	Y	Y
Copper	mg/kg	28	Y	Y	Y	Y	Y	Y
Nickel	mg/kg	9.6	Y	Y	Y	Y	Y	Y
Visible Contaminants								
>2mm	%	0	Y	Y	Y	Y	Y	Y
...of which plastics	%	0	Y	Y	Y	Y	Y	Y
...man made sharps	%	0	Y	Y	Y	Y	Y	Y

Texture Classification Chart



Key
 Area within which the texture of topsoil is required to fall
 Sample classification

% Sand 84
 % Silt 8
 % Clay 8

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Project Reference - Downing Project, First Street

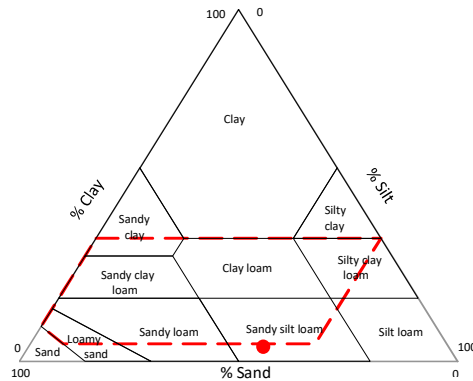
Analytical Test Results - BS3882 Topsoil Analysis

Lab Reference	397580
Client Sample ID	S0169/2
Client Sample Location	Topsoil-Ground
Client Sample Type	-
Client Sample Number	-
Depth - Top (m)	-
Depth - Bottom (m)	-
Date of Sampling	26/08/2024
Time of Sampling	-

Sample Description Brown slightly gravelly silty sand with occasional organic matter

Determinant	Units	Determined result	Multipurpose	Acidic	Calcareous	Low Fertility	Low Fertility - Acidic	Low Fertility - Calcareous
Soil Texture Class	-	Loamy sand	Y	Y	Y	Y	Y	Y
Maximum Coarse Fragment Content (% m/m)								
>2 mm	%	7	Y	Y	Y	Y	Y	Y
>20 mm	%	0	Y	Y	Y	Y	Y	Y
>50 mm	%	0	Y	Y	Y	Y	Y	Y
Mass loss on ignition % (varying with clay content);								
Clay 5-20%	%	3	Y	Y	Y	Y	Y	Y
Clay 20-35%	%							
Soil pH value	pH units	8.0	Y	N	Y	Y	N	Y
Carbonate (calcareous only)	%	11			Y			Y
Available Plant Nutrient Content								
Nitrogen	%	0.058	N	N	N			
Extractable Phosphorous	mg/l	22	Y	Y	Y	N	N	N
Extractable Potassium	mg/l	270	Y	Y	Y			
Extractable Magnesium	mg/l	97	Y	Y	Y			
Carbon: Nitrogen Ratio	-	30:1	N	N	N	Y	Y	N
Soil Electrical Conductivity	µScm-1	2010	Y					
Phytotoxic Contaminants (by soil pH)								
Zinc	mg/kg	71	Y	Y	Y	Y	Y	Y
Copper	mg/kg	35	Y	Y	Y	Y	Y	Y
Nickel	mg/kg	11	Y	Y	Y	Y	Y	Y
Visible Contaminants								
>2mm	%	0	Y	Y	Y	Y	Y	Y
...of which plastics	%	0	Y	Y	Y	Y	Y	Y
...man made sharps	%	0	Y	Y	Y	Y	Y	Y

Texture Classification Chart



Key
 Area within which the texture of topsoil is required to fall
 Sample classification

% Sand 42
 % Silt 54
 % Clay 4

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Project Reference - Downing Project, First Street

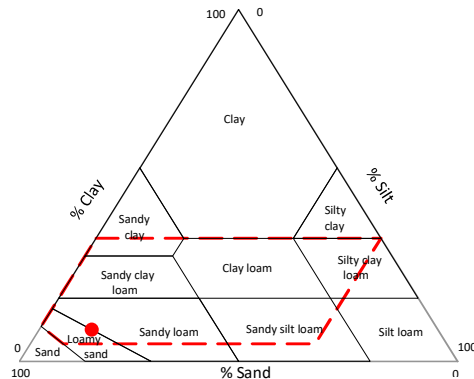
Analytical Test Results - BS3882 Topsoil Analysis

Lab Reference		397581
Client Sample ID	S0169/3	
Client Sample Location	Topsoil-Podium	
Client Sample Type	-	
Client Sample Number	-	
Depth - Top (m)	-	
Depth - Bottom (m)	-	
Date of Sampling	26/08/2024	
Time of Sampling	-	

Sample Description Brown slightly gravelly silty sand with occasional organic matter

Determinant	Units	Determined result	Multipurpose	Acidic	Calcareous	Low Fertility	Low Fertility - Acidic	Low Fertility - Calcareous
Soil Texture Class	-	Loamy sand	Y	Y	Y	Y	Y	Y
Maximum Coarse Fragment Content (% m/m)								
>2 mm	%	6	Y	Y	Y	Y	Y	Y
>20 mm	%	0	Y	Y	Y	Y	Y	Y
>50 mm	%	0	Y	Y	Y	Y	Y	Y
Mass loss on ignition % (varying with clay content);								
Clay 5-20%	%	4	Y	Y	Y	Y	Y	Y
Clay 20-35%	%							
Soil pH value	pH units	8.2	Y	N	Y	Y	N	Y
Carbonate (calcareous only)	%	9.1			Y			Y
Available Plant Nutrient Content								
Nitrogen	%	0.13	N	N	N			
Extractable Phosphorous	mg/l	21	Y	Y	Y	N	N	N
Extractable Potassium	mg/l	280	Y	Y	Y			
Extractable Magnesium	mg/l	200	Y	Y	Y			
Carbon: Nitrogen Ratio	-	18:1	Y	Y	Y	Y	Y	Y
Soil Electrical Conductivity	µScm-1	2040	Y					
Phytotoxic Contaminants (by soil pH)								
Zinc	mg/kg	88	Y	Y	Y	Y	Y	Y
Copper	mg/kg	13	Y	Y	Y	Y	Y	Y
Nickel	mg/kg	9.8	Y	Y	Y	Y	Y	Y
Visible Contaminants								
>2mm	%	0	Y	Y	Y	Y	Y	Y
...of which plastics	%	0	Y	Y	Y	Y	Y	Y
...man made sharps	%	0	Y	Y	Y	Y	Y	Y

Texture Classification Chart



Key
 Area within which the texture of topsoil is required to fall
 Sample classification

% Sand 79
 % Silt 12
 % Clay 9

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Analysis Methodologies

Test Title	Details and Test method used
BS3882:2015 Specification for topsoil	Testing was undertaken in accordance with the methodologies within BS3882:2015