



SUMMARY REPORT
DETERMINATION OF MOISTURE CONTENT
In Accordance with:
BS 1377-2:1990

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Client: Recycled Aggregates Midlands
Client Address: 7 Leafield Crescent
Birmingham
West Midlands
B33 9NB
Contact: Liam
Site Address: JLR Halewood, Speke Boulevard, Liverpool L24 9BJ

Client Reference: R812/HALEWOOD
Job Number: 23-64455
Date Sampled: 05/06/2023
Date Received: 05/06/2023
Date Tested: 11/06/2023
Sampled By: i2 Analytical

Testing carried out at i2 Analytical Limited, Unit 8 Harrowden Road, Brackmills Industrial Estate, Northampton NN4 7EB

Test results

Laboratory Reference	Hole No.	Sample			Description	Remarks	Moisture Content [W] %	Sample preparation / Oven temperature at the time of testing			
		Reference	Depth m	Type							
2855065	n/a	As dug	Not given	B	Dark brown, dark grey and brown slightly gravelly sandy CLAY		15	Sample was quartered, oven dried at 107 °C			

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Signed:

Jacob Brock
Laboratory Supervisor
for and on behalf of i2 Analytical Ltd

Date Reported: 14/06/2023

GF545.7

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Laboratory Reference	Hole No.	Sample			Description	Remarks	Dry Mass Retained on 20mm sieve %	Moisture Content <20mm %	Moisture Condition Value	Method of Interpretation	Preparation
		Reference	Depth m	Type							
2855065	Not given	As dug	0.00	B	Dark brown, dark grey and brown slightly gravelly sandy CLAY		0	21	9.0	Steepest straight line	Sample quartered, broken down by hand and tested at as received + moisture content

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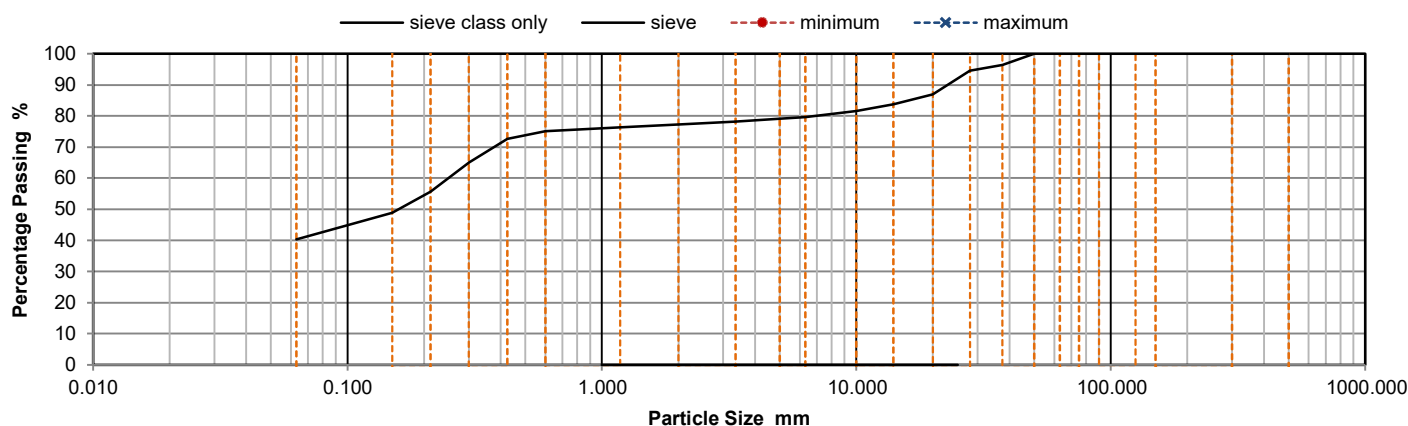
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Test Results:

Laboratory Reference: 2855065
Sample Reference: As dug
Sample Description: Dark brown, dark grey and brown slightly gravelly sandy CLAY
Sample Preparation: Sample broken down by hand, quartered and oven dried at 107°C

Depth Top [m]: Not given
Depth Base [m]: Not given
Sample Type: B



Sieving		Material Type 2C Stony Cohesive Material	
Particle Size mm	Passing %	Material Specification	Pass or Fail
500	100	100 - 100	Pass
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	96		
28	95		
20	87	15 - 80	Pass
14	84		
10	82		
6.3	80		
5	79		
3.35	78		
2	77		
1.18	76		
0.6	75		
0.425	73		
0.3	65	15 - 80	Pass
0.212	56		
0.15	49		
0.063	40	15 - 80	Pass

Uniformity Coefficient [Cu]		>3.95
D60	mm	0.25
D10	mm	

Uniformity Coefficient calculated in accordance with BS EN ISO 14688-2:2018*

Stony Cohesive Material for Earthworks

Specification for Highway Works (2016) Table 6/2
Earthworks Materials - Class 2C

*Note: Uniformity Coefficient falls outside the scope of accreditation.

Remarks:

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Test Results:

Laboratory Reference: 2855065

Hole No.: Not Given

Sample Reference: As dug

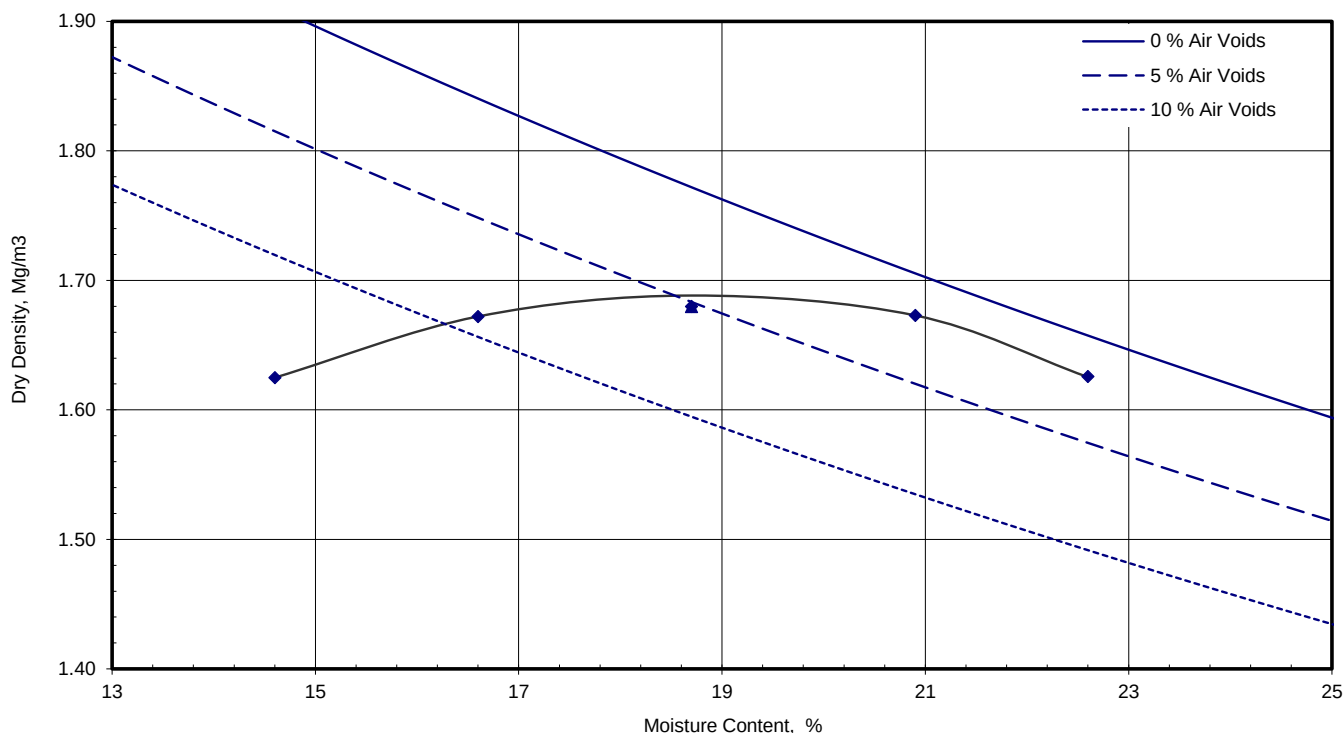
Sample Description: Dark brown, dark grey and brown slightly gravelly sandy CLAY

Sample Preparation: Sample was quartered and broken down by hand. Material used was natural.

Depth Top [m]: Not given

Depth Base [m]: Not given

Sample Type: D



Compaction Point No.	1	2	3	4	5
Moisture Content %	15	17	19	21	23
Dry Density Mg/m³	1.62	1.67	1.68	1.67	1.63

Grading Zone	4
Mould Type	CBR
Samples Used	Single sample tested
Material Retained on 37.5 mm Sieve %	2
Material Retained on 20.0 mm Sieve %	5
Particle Density - Assumed Mg/m³	2.65
As received Moisture Content %	15
Maximum Dry Density Mg/m³	1.68

Optimum Moisture Content %	19
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Note: BS1377: Part 4: 1990, clause 3.4, 2.5kg rammer

Remarks:

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