TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with:BS 1377-2:1990:Clause 4.4 and 5

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

4041

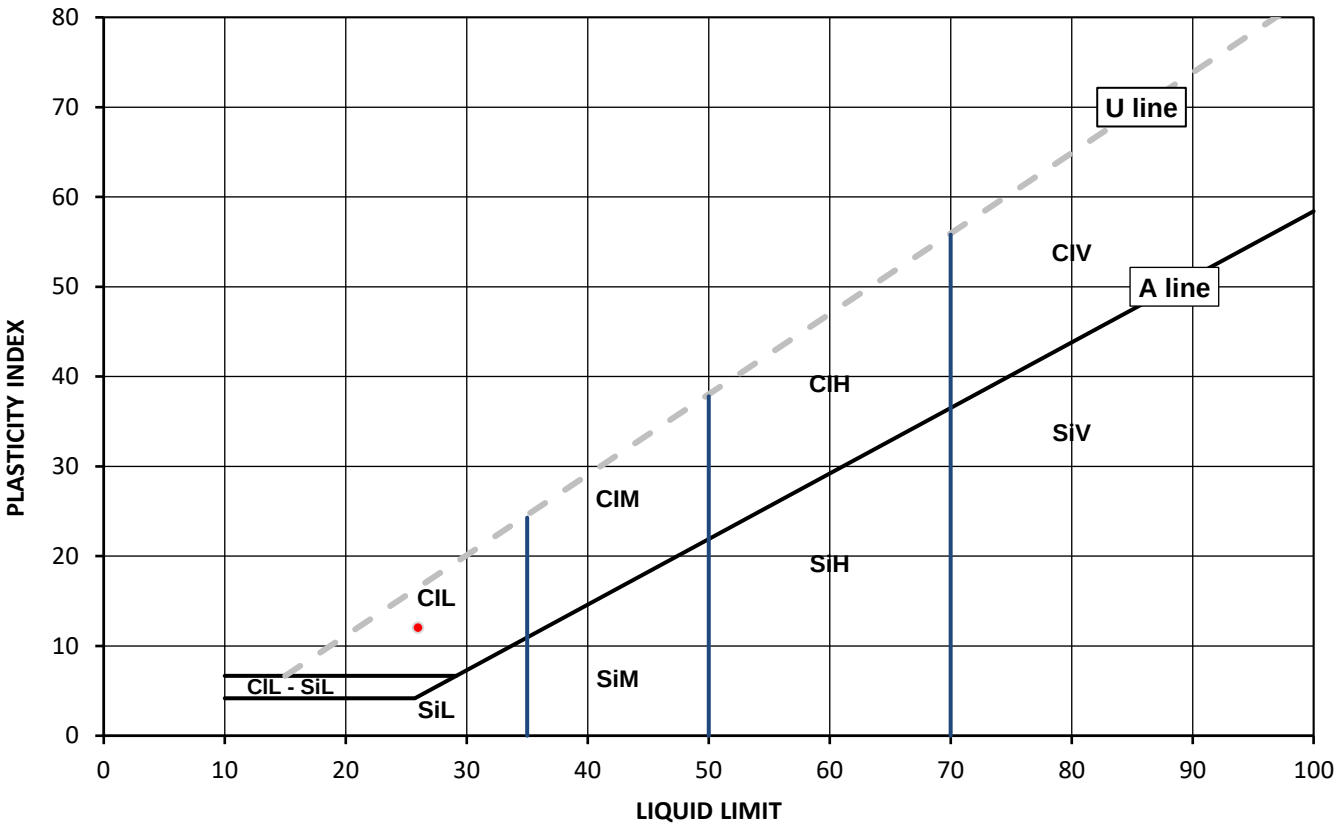
Client:	RB Geotechnical	Client Reference:	2209KIFI7
Client Address:	7 Carr Manor View, Leeds, LS17 5AG	Job Number:	22-85558
		Date Sampled:	Not Given
		Date Received:	13/09/2022
Contact:	Ross Blake	Date Tested:	27/09/2022
Site Address:	156 Upper Road	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2432795	Depth Top [m]:	1.40
Hole No.:	WS02	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly very sandy CLAY		
Sample Preparation:	Tested after washing to remove >425um		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
15	26	14	12	81



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Katarzyna Koziel
Technical Reviewer
for and on behalf of i2 Analytical Ltd

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 Date Reported: 05/10/2022 **GF 232.12**

TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with:BS 1377-2:1990:Clause 4.4 and 5

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

4041

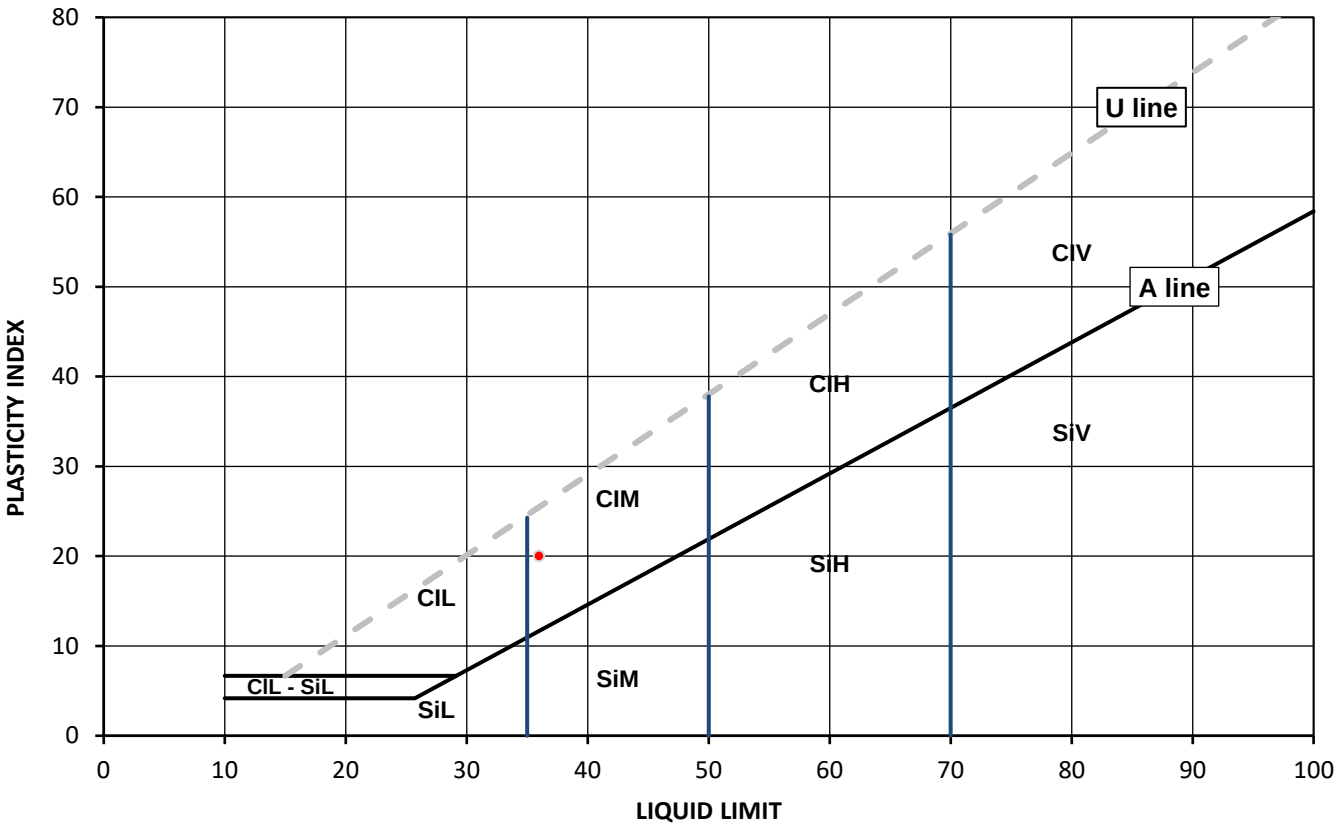
Client:	RB Geotechnical	Client Reference:	2209KIFI7
Client Address:	7 Carr Manor View, Leeds, LS17 5AG	Job Number:	22-85558
		Date Sampled:	Not Given
		Date Received:	13/09/2022
Contact:	Ross Blake	Date Tested:	27/09/2022
Site Address:	156 Upper Road	Sampled By:	Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference:	2432796	Depth Top [m]:	1.40
Hole No.:	WS03	Depth Base [m]:	Not Given
Sample Reference:	Not Given	Sample Type:	D
Sample Description:	Brown slightly gravelly sandy CLAY		
Sample Preparation:	Tested after >425um removed by hand		

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
20	36	16	20	98



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

		Plasticity		Liquid Limit
Cl	Clay	L	Low	below 35
Si	Silt	M	Medium	35 to 50
		H	High	50 to 70
		V	Very high	exceeding 70
		O	Organic	append to classification for organic material (eg ClHO)

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed: Katarzyna Koziel
Technical Reviewer
for and on behalf of i2 Analytical Ltd

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 Date Reported: 05/10/2022 **GF 232.12**

SUMMARY REPORT

SUMMARY OF CLASSIFICATION TEST RESULTS

Tested in Accordance with:

Water Content by BS 1377-2:1990: Clause 3.2; Atterberg by BS 1377-2: 1990: Clause 4.3 (4 Point Test), Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2: 1990: Clause 8.2

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Client: RB Geotechnical

Client Address: 7 Carr Manor View, Leeds, LS17 5AG

Contact: Ross Blake

Site Address: 156 Upper Road

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Client Reference: 2209KIFI7
Job Number: 22-85558
Date Sampled: Not Given
Date Received: 13/09/2022
Date Tested: 27/09/2022
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	Water Content BS 1377-2 [W]	Water Content BS EN ISO 17892-1 [W]	Atterberg				Density			Total Porosity#		
		Reference	Depth Top	Depth Base	Type					% Passing 425um	WL	Wp	Ip	bulk	dry	PD			
			m	m				%	%	%	%	%	%	Mg/m3	Mg/m3	Mg/m3	%		
2432794	WS01	Not Given	1.50	Not Given	D	Yellowish brown slightly gravelly slightly sandy CLAY		18											
2432795	WS02	Not Given	1.40	Not Given	D	Brown slightly gravelly very sandy CLAY	Atterberg 1 Point	15		81	26	14	12						
2432796	WS03	Not Given	1.40	Not Given	D	Brown slightly gravelly sandy CLAY	Atterberg 1 Point	20		98	36	16	20						

Note: # Non accredited; NP - Non plastic

Comments:

Signed: Katarzyna Koziel
Technical Reviewer
for and on behalf of i2 Analytical Ltd

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Date Reported: 05/10/2022

GF 234.14

SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS 1377-2: 1990: Clause 3.2

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

4041

Client: RB Geotechnical

Client Address: 7 Carr Manor View, Leeds, LS17 5AG

Contact: Ross Blake

Site Address: 156 Upper Road

Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Client Reference: 2209KIFI7
Job Number: 22-85558
Date Sampled: Not Given
Date Received: 13/09/2022
Date Tested: 27/09/2022
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC	Sample preparation / Oven temperature at the time of testing			
		Reference	Depth Top m	Depth Base m	Type			%				
2432794	WS01	Not Given	1.50	Not Given	D	Yellowish brown slightly gravelly slightly sandy CLAY		18	Sample was quartered, oven dried at 108.2 °C			
2432795	WS02	Not Given	1.40	Not Given	D	Brown slightly gravelly very sandy CLAY		15	Sample was quartered, oven dried at 108.2 °C			
2432796	WS03	Not Given	1.40	Not Given	D	Brown slightly gravelly sandy CLAY		20	Sample was quartered, oven dried at 108.2 °C			

Comments:

Signed: Katarzyna Koziel
Technical Reviewer
for and on behalf of i2 Analytical Ltd

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Date Reported: 05/10/2022

GF 099.16