

CONSOLIDATION TEST RESULTS (ASTM D-2435)



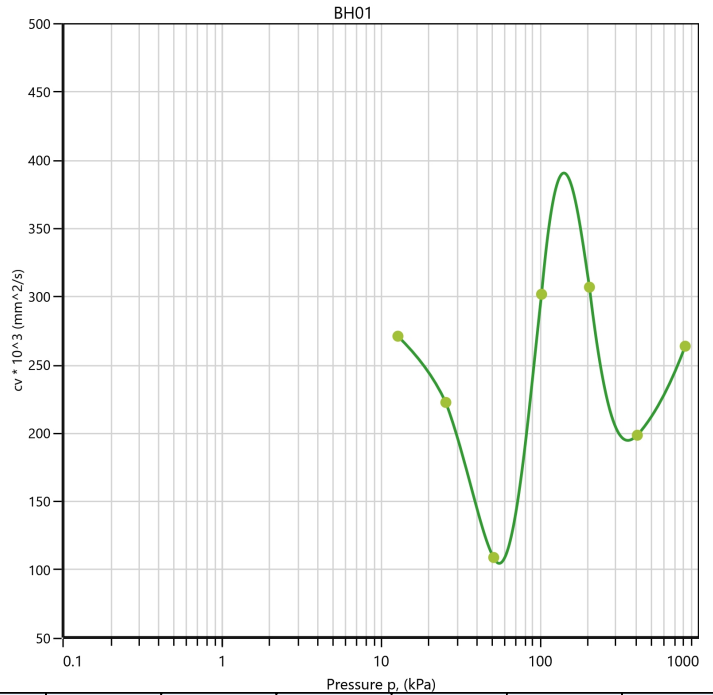
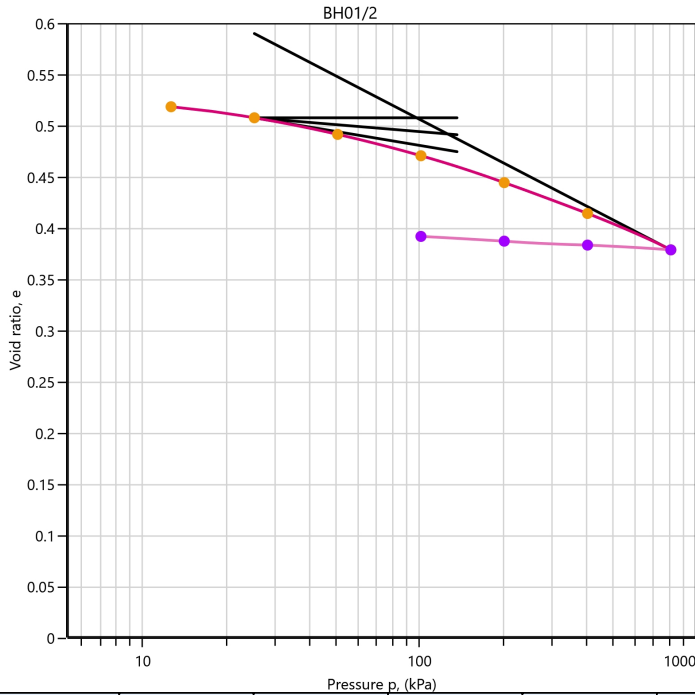
Project: Sample Project

Project No: 45453334

Client: Sample Client

Location: Sample Location

BH:	BH1	Specimen diameter D (mm):	61.80	Sample description:	
Sample:	BH01/2	Initial specimen height Ht(i) (mm):	20.00	Sandy clay	
Sample depth(m):	2.00	Mass of dry soil specimen Ms (gr):	105.27		
USCS:	SW-SC	AASHTO:	A-2-7		
Tested by:		w1 (%):	16.91	w2 (%):	16.13
Date tested:		Gs:	2.71		
		Pc:	124.92	Cc:	0.10
		Cs:	0.02		



P (kPa)	Final dial reading (mm)	Deformation (mm)	Final specimen height Ht(f) (mm)	Height of voids Hv (mm)	Final Void Ratio e	Ht(av) (mm)	t90 (s)	t50 (s)	cv * 10 ³ (from t90) (mm ² /s)	cv * 10 ³ (from t50) (mm ² /s)	Load type
0	0.0000	-	20.0000	7.0501	0.544	-	-	-	-	-	-
-	-	0.3200	-	-	-	19.8400	-	71	-	271.694	-
13	0.3200	-	19.6800	6.7301	0.520	-	-	-	-	-	-
-	-	0.1400	-	-	-	19.6100	-	360	-	52.609	-
25	0.4600	-	19.5400	6.5901	0.509	-	-	-	-	-	-
-	-	0.2100	-	-	-	19.4350	-	170	-	109.617	-
50	0.6700	-	19.3300	6.3801	0.493	-	-	-	-	-	-
-	-	0.2700	-	-	-	19.1950	-	101	-	179.829	-
100	0.9400	-	19.0600	6.1101	0.472	-	-	-	-	-	-
-	-	0.3400	-	-	-	18.8900	-	101	-	174.159	-
200	1.2800	-	18.7200	5.7701	0.446	-	-	-	-	-	-
-	-	0.3900	-	-	-	18.5250	-	120	-	140.845	-
400	1.6700	-	18.3300	5.3801	0.415	-	-	-	-	-	-
-	-	0.4600	-	-	-	18.1000	-	61	-	264.375	-
800	2.1300	-	17.8700	4.9201	0.380	-	-	-	-	-	-
-	-	-0.0600	-	-	-	17.9000	-	-	-	-	-
400	2.0700	-	17.9300	4.9801	0.385	-	-	-	-	-	-
-	-	-0.0500	-	-	-	17.9550	-	-	-	-	-
200	2.0200	-	17.9800	5.0301	0.388	-	-	-	-	-	-
-	-	-0.0600	-	-	-	18.0100	-	-	-	-	-
100	1.9600	-	18.0400	5.0901	0.393	-	-	-	-	-	-

Dartistech

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Project: Sample Project

Project No: 45453334

Client: Sample Client

Location: Sample Location

BH: BH1

Specimen diameter D (mm): 61.80

Sample description:

Sample: BH01/2

Initial specimen height $H_t(i)$ (mm): 20.00

Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

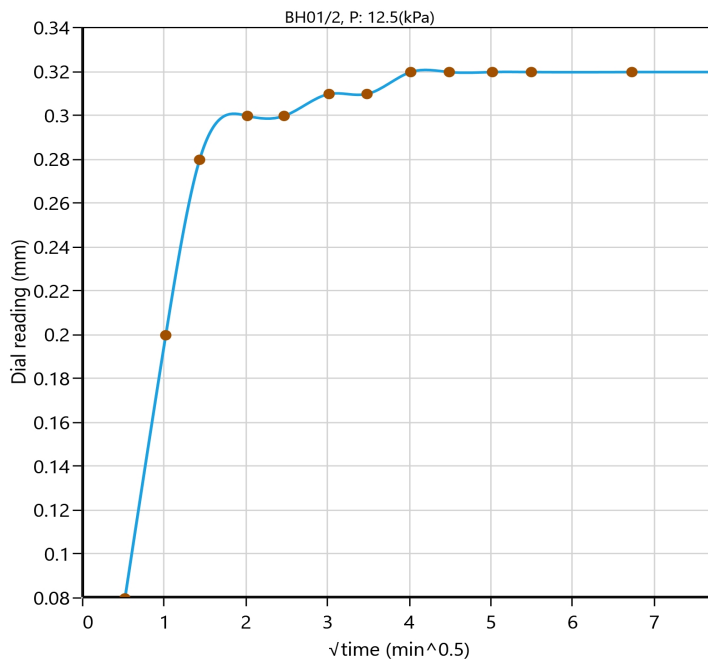
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

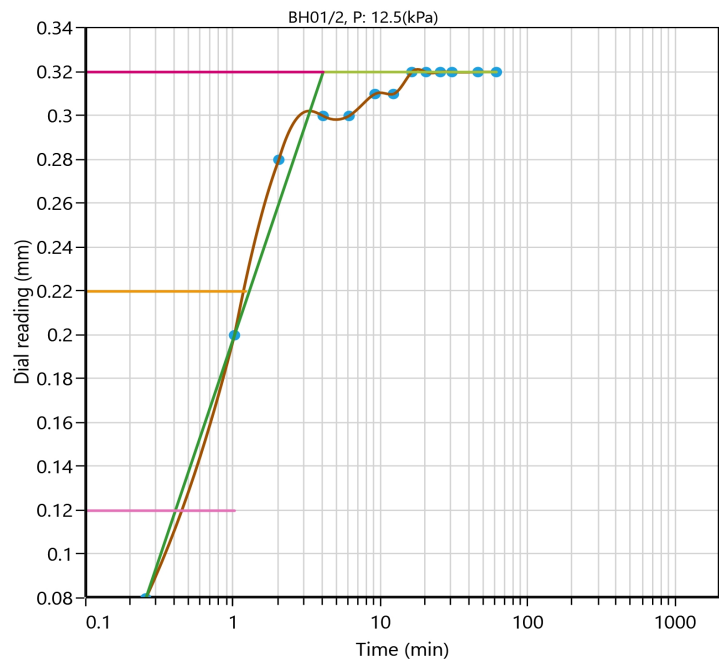
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 71

d0 (mm): 0.1200

d50 (mm): 0.2200

d100 (mm): 0.3200

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Sample description:

Sample: BH01/2

Initial specimen height $H_t(i)$ (mm): 20.00

Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

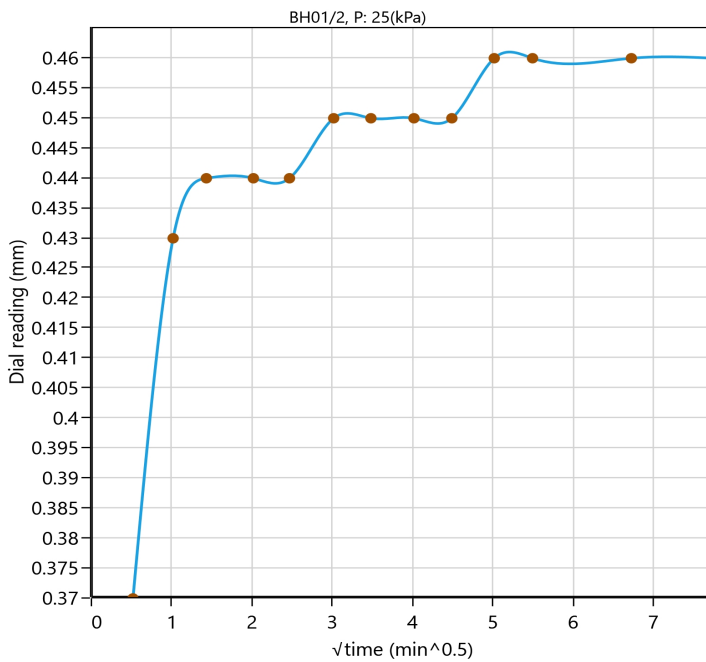
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

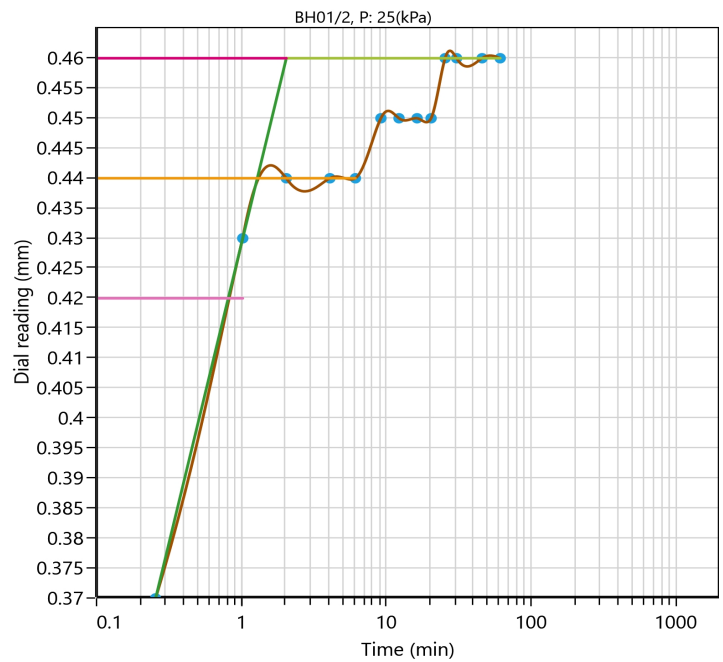
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 360

d0 (mm): 0.4200

d50 (mm): 0.4400

d100 (mm): 0.4600

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Sample description:

Sample: BH01/2

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Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

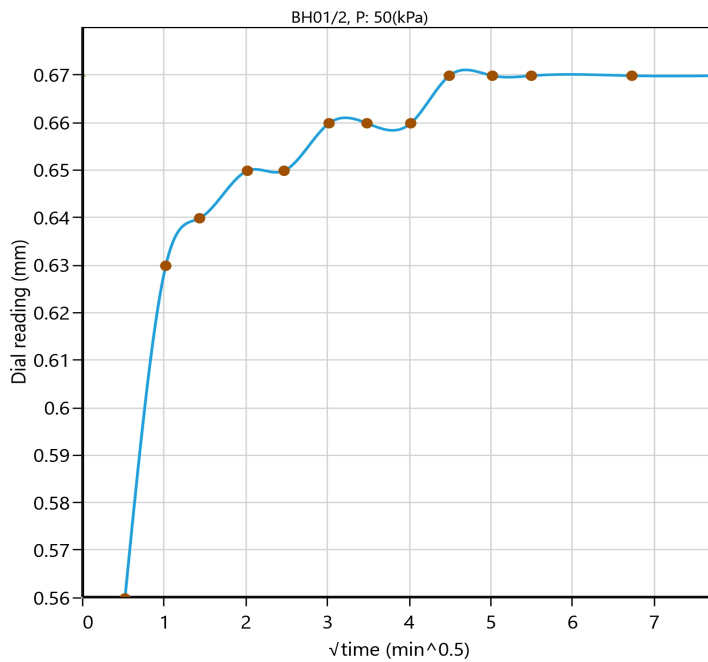
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

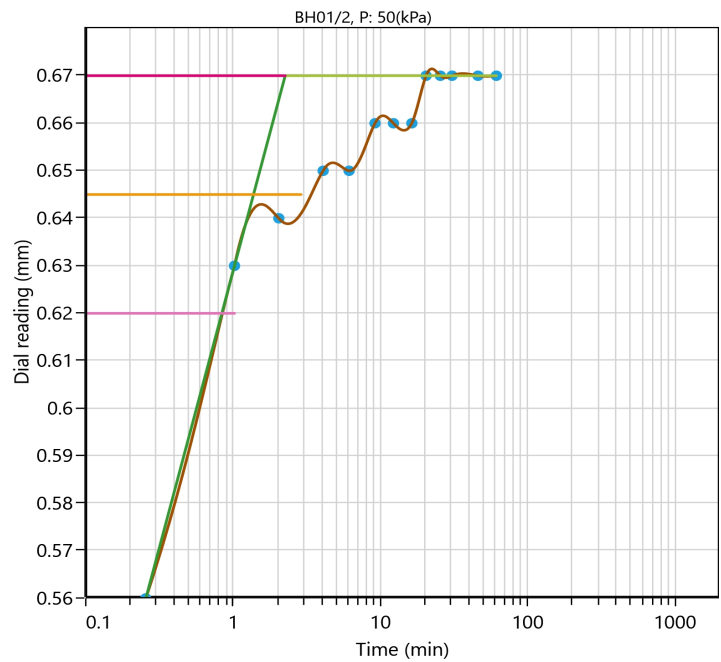
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 170

d0 (mm): 0.6200

d50 (mm): 0.6450

d100 (mm): 0.6700

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BH: BH1

Specimen diameter D (mm): 61.80

Sample description:

Sample: BH01/2

Initial specimen height $H_t(i)$ (mm): 20.00

Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

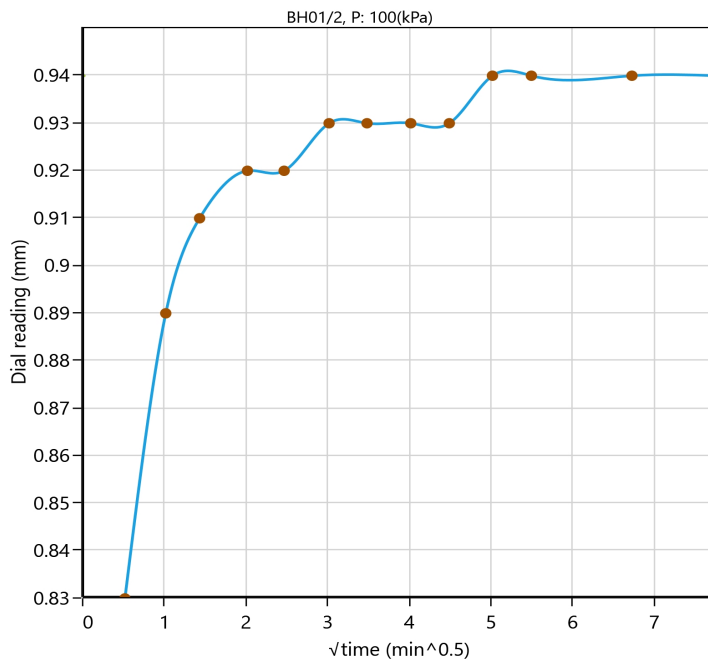
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

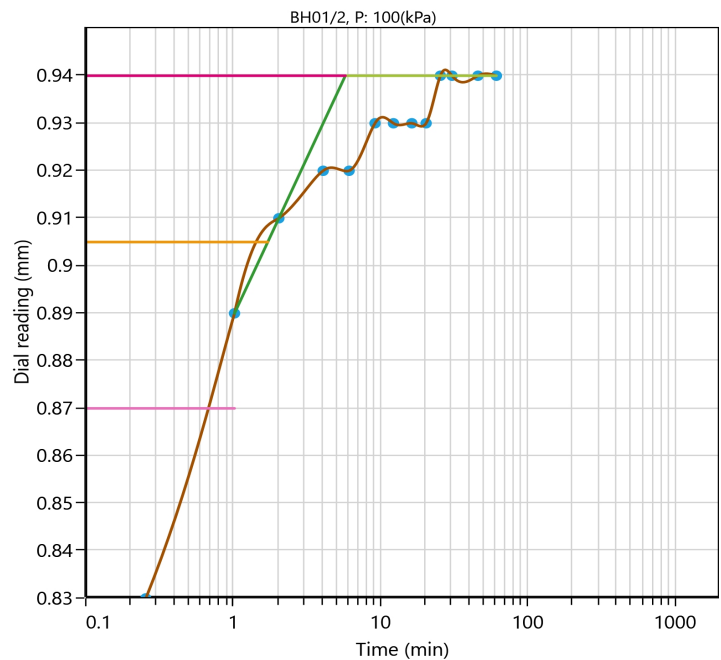
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 101

d0 (mm): 0.8700

d50 (mm): 0.9050

d100 (mm): 0.9400

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CONSOLIDATION TEST RESULTS (ASTM D-2435)



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Specimen diameter D (mm): 61.80

Sample description:

Sample: BH01/2

Initial specimen height $H_t(i)$ (mm): 20.00

Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

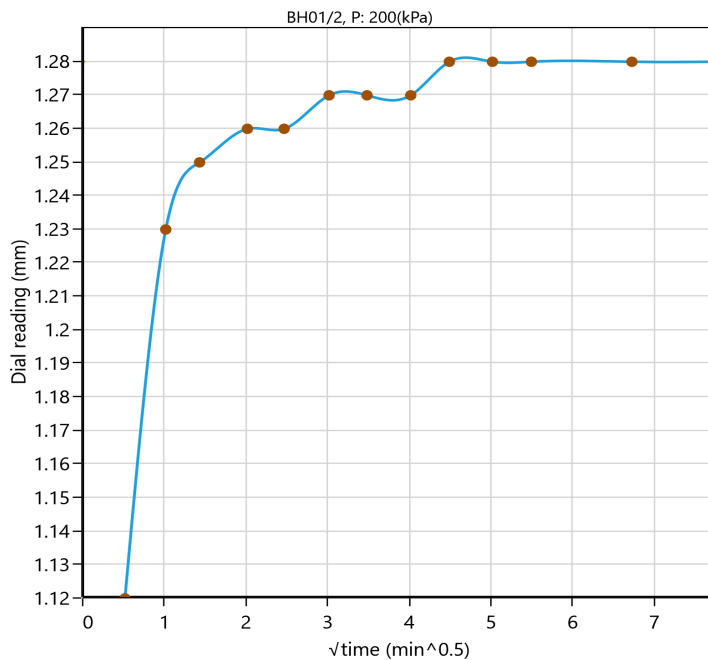
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

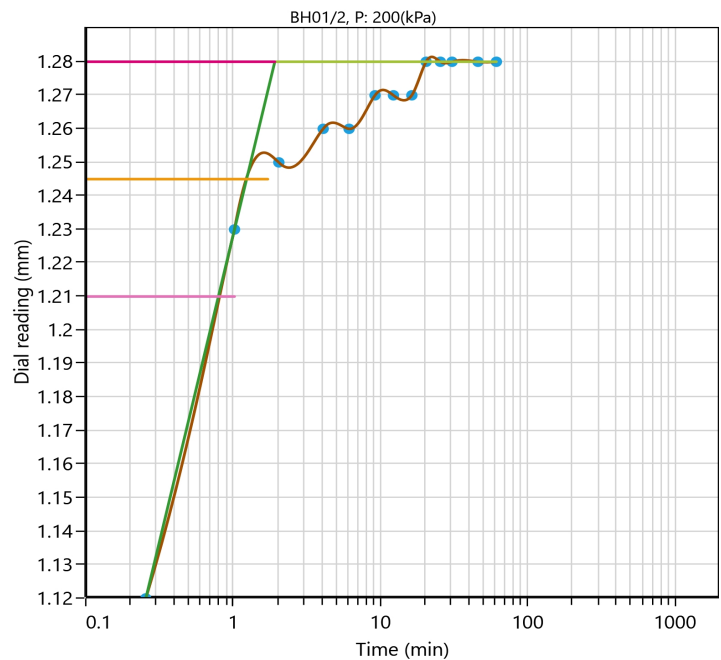
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 101

d0 (mm): 1.2100

d50 (mm): 1.2450

d100 (mm): 1.2800

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BH: BH1

Specimen diameter D (mm): 61.80

Sample description:

Sample: BH01/2

Initial specimen height Ht(i) (mm): 20.00

Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen Ms (gr): 105.27

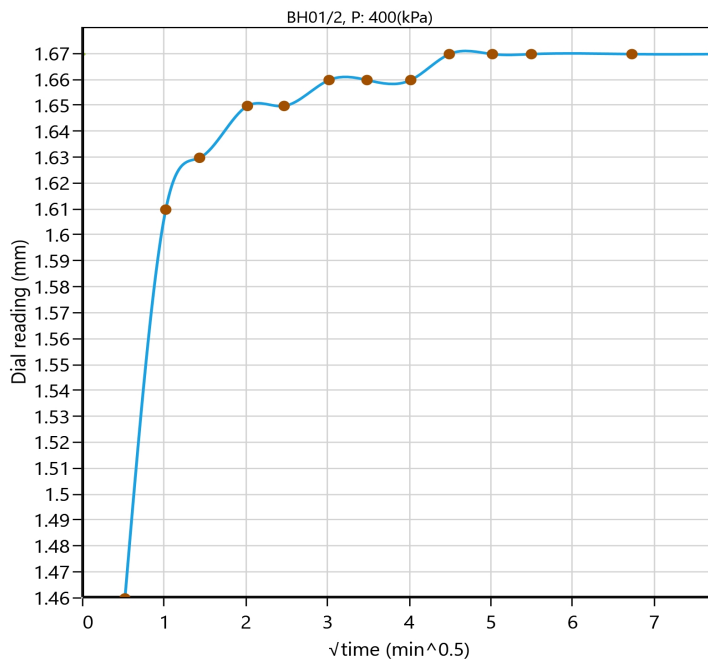
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

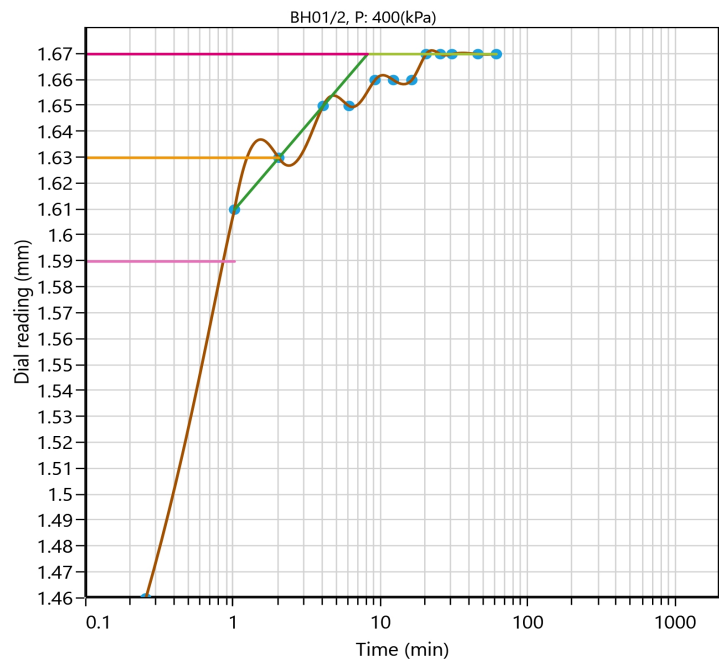
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 120

d0 (mm): 1.5900

d50 (mm): 1.6300

d100 (mm): 1.6700

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Sample description:

Sample: BH01/2

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Sandy clay

Sample depth(m): 2.00

Mass of dry soil specimen M_s (gr): 105.27

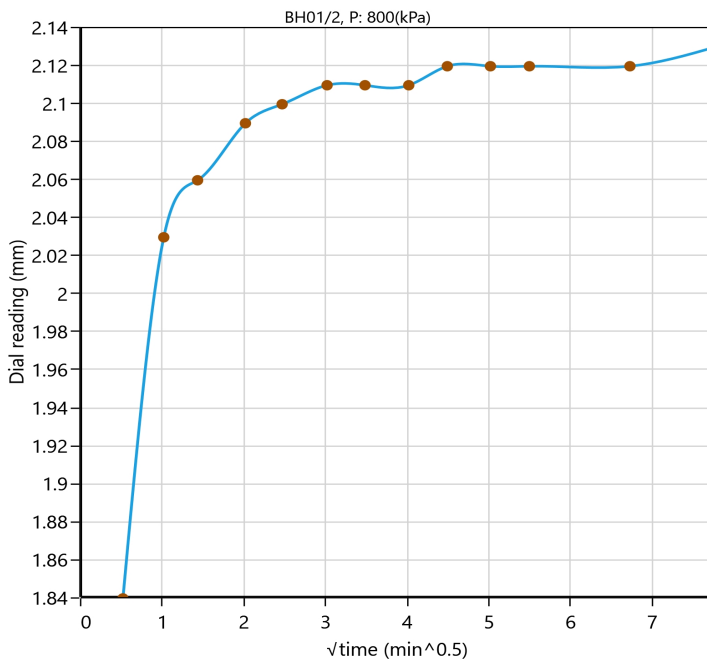
USCS: SW-SC AASHTO: A-2-7

w1 (%): 16.91 w2 (%): 16.13 Gs: 2.71

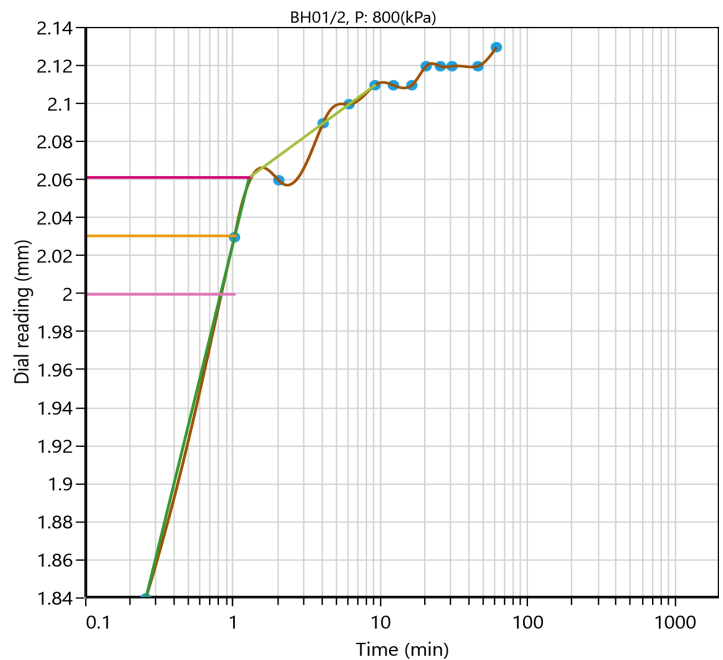
Tested by:

Date tested:

Pc: 124.92 Cc: 0.10 Cs: 0.02



t90 (s): 0



t50 (s): 61

d0 (mm): 2.0000

d50 (mm): 2.0307

d100 (mm): 2.0615