

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: H1342Test No.: 12/6/21

Date:

Tested by:

Location:

Boring No. : 59 Sample Depth.Sample No. : D-25, 26, 27

Determination No.			
Bottle No.		2	
Wt. of Bottle + Water + Soil $W_1$ in g	302.3	371.8	
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	340		
Evaporating Dish No.	21		
Wt. of dish g	302.3		
Wt. of dish + dry soil g	351.5		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	91.7		
Wt. of Soil $W_s$ in g	49.2		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

SL-394

Department of Civil Engineering, BUET  
Geotechnical Engineering Laboratory

SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_  
Date: 21/08/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 58 Sample Depth. D

Sample No.: D-25, 26, 27

Determination No.			
Bottle No.	16		
Wt. of Bottle + Water + Soil $W_1$ in g	381.8		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	350		
Evaporating Dish No.	18		
Wt. of dish g	298.1		
Wt. of dish + dry soil g	348.0		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	102.1		
Wt. of Soil $W_s$ in g	49.9		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$   $G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_Test No.: \_\_\_\_\_  
Date: 16/08/21  
Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 58 Sample Depth: \_\_\_\_\_Sample No.: D-8

Determination No.			
Bottle No.		<u>35</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>386.4</u>	
Temperature T in °C		<u>29</u>	
Wt. of Bottle + Water $W_2$ in g		<u>354.7</u>	
Evaporating Dish No.		<u>1</u>	
Wt. of dish g		<u>170.1</u>	
Wt. of dish + dry soil g		<u>219.8</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>106.4</u>	
Wt. of Soil $W_s$ in g		<u>49.7</u>	
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2} \quad G_s$  \_\_\_\_\_

SX-394

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 21/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 58 Sample Depth. \_\_\_\_\_

Sample No.: D-2, 3, 4

Determination No.			
Bottle No.		4	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		397.6	
Temperature T in °C		29	
Wt. of Bottle + Water W <sub>2</sub> in g		365.9	
Evaporating Dish No.		5	
Wt. of dish	g	171.5	
Wt. of dish + dry soil	g	221.4	
Wt. Bottle + Dry Soil in	g		
Wt. of Bottle in	g	117.8	
Wt. of Soil W <sub>s</sub> in	g	49.9	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

SI-394

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 23/10/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 56 Sample Depth: \_\_\_\_\_

Sample No.: D-12

Determination No.			
Bottle No.	19		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	370.3		
Temperature T in °C	28		
Wt. of Bottle + Water W <sub>2</sub> in g	339.2		
Evaporating Dish No.	18		
Wt. of dish g	298.1		
Wt. of dish + dry soil g	347.2		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	91.2		
Wt. of Soil W <sub>s</sub> in g	49.1		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

## SPECIFIC GRAVITY TEST

Soil Sample:

Test No.:

Date:

9/6/1

Tested by:

Location:

Boring No.: 52 Sample Depth:

Sample No.: D-32, 33, 34

Determination No.			
Bottle No.		4	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		397.2	
Temperature T in °C		28	
Wt. of Bottle + Water W <sub>2</sub> in g		365.9	
Evaporating Dish No.		5	
Wt. of dish g		17.6	
Wt. of dish + dry soil g		221.4	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		117.8	
Wt. of Soil W <sub>s</sub> in g		49.8	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>S</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>S</sub>

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 12/6/21  
 Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 52 Sample Depth: \_\_\_\_\_

Sample No.: D-10

Determination No.				
Bottle No.		8		
Wt. of Bottle + Water + Soil $W_1$ in g		372.6		
Temperature T in °C		29		
Wt. of Bottle + Water $W_2$ in g		341.2		
Evaporating Dish No.		19		
Wt. of dish g		285.5		
Wt. of dish + dry soil g		334.7		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		92.7		
Wt. of Soil $W_s$ in g		49.2		
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$				
Specific Gravity of Soil: $G_s$				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

*b/394*  
Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 49 Sample Depth. \_\_\_\_\_Sample No.: D-5

Determination No.			
Bottle No.	31		
Wt. of Bottle + Water + Soil $W_1$ in g	374		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	342.4		
Evaporating Dish No.	4		
Wt. of dish g	159.6		
Wt. of dish + dry soil g	209.6		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	93.7		
Wt. of Soil $W_s$ in g	49.4		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 48 Sample Depth. \_\_\_\_\_Sample No.: D-10, 11, 12

Determination No.			
Bottle No.	8		
Wt. of Bottle + Water + Soil $W_1$ in g	373		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	341.2		
Evaporating Dish No.	22		
Wt. of dish g	251.9		
Wt. of dish + dry soil g	301.7		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	92.7		
Wt. of Soil $W_s$ in g	49.8		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 26/4/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 47 Sample Depth: \_\_\_\_\_

Sample No.: D-26, 29, 30

Determination No.			
Bottle No.		1	
Wt. of Bottle + Water + Soil $W_1$ in g		373.7	
Temperature T in °C		32	
Wt. of Bottle + Water $W_2$ in g		342.2	
Evaporating Dish No.		16	
Wt. of dish g		310.4	
Wt. of dish + dry soil g		360.0	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		94.3	
Wt. of Soil $W_s$ in g		49.6	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: Gs			

$G_T W_s$

Gs

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 14/04/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: \_\_\_\_\_ Sample Depth: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Determination No.	<u>0</u>		
Bottle No.	<u>11</u>		
Wt. of Bottle + Water + Soil $W_1$ in g	<u>373.7</u>		
Temperature T in $^{\circ}\text{C}$	<u>31</u>		
Wt. of Bottle + Water $W_2$ in g	<u>342.1</u>		
Evaporating Dish No.	<u>23</u>		
Wt. of dish g	<u>323.7</u>		
Wt. of dish + dry soil g	<u>373.6</u>		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	<u>93.6</u>		
Wt. of Soil $W_s$ in g	<u>49.9</u>		
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$   $G_s$  \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Location: \_\_\_\_\_

Date: 6/6/21

Boring No.: \_\_\_\_\_ Sample Depth: \_\_\_\_\_

Tested by: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Determination No.			
Bottle No.	10		
Wt. of Bottle + Water + Soil $W_1$ in g	373.6		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	342.2		
Evaporating Dish No.	19		
Wt. of dish g	285.5		
Wt. of dish + dry soil g	333.0		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	93.6		
Wt. of Soil $W_s$ in g	49.5		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 24/4/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No. : 45 Sample Depth. \_\_\_\_\_Sample No. : D-18, 19, 20

Determination No.			
Bottle No.		<u>6</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>373.3</u>	
Temperature T in °C		<u>31</u>	
Wt. of Bottle + Water $W_2$ in g		<u>341.8</u>	
Evaporating Dish No.		<u>1</u>	
Wt. of dish g		<u>170.1</u>	
Wt. of dish + dry soil g		<u>219.7</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>93.6</u>	
Wt. of Soil $W_s$ in g		<u>49.6</u>	
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Test No.: \_\_\_\_\_  
Date: 17/04/21  
Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 45 Sample Depth: \_\_\_\_\_Sample No.: UD - 1

Determination No.			
Bottle No.		10	
Wt. of Bottle + Water + Soil $W_1$ in g		373.5	
Temperature T in °C		30	
Wt. of Bottle + Water $W_2$ in g		342.0	
Evaporating Dish No.		19	
Wt. of dish g		285.5	
Wt. of dish + dry soil g		335.1	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		93.6	
Wt. of Soil $W_s$ in g		49.6	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$$G_s = \dots$$

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

bv mgm  
Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 12/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 44 Sample Depth: \_\_\_\_\_Sample No.: D-29, 30

Determination No.				
Bottle No.		35		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		386.1		
Temperature T in °C		30		
Wt. of Beadle + Water W <sub>2</sub> in g		354.6		
Evaporating Dish No.		18		
Wt. of dish g		298.1		
Wt. of dish + dry soil g		347.9		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		106.4		
Wt. of Soil W <sub>s</sub> in g		49.8		
Specific Gravity of Water G <sub>T</sub> at T°C				
Specific Gravity of Soil: G <sub>s</sub>				

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$
 G<sub>s</sub> \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 12/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 43 Sample Depth. \_\_\_\_\_Sample No.: D-31, 32, 33

Determination No.				
Bottle No.		14		
Wt. of Bottle + Water + Soil $W_1$ in g		373.5		
Temperature T in °C		30		
Wt. of Bottle + Water $W_2$ in g		341.9		
Evaporating Dish No.		26		
Wt. of dish g		272.1		
Wt. of dish + dry soil g		321.9		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		94		
Wt. of Soil $W_s$ in g		49.8		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_s$				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 42 Sample Depth. \_\_\_\_\_Sample No.: D-26, 27, 28

Determination No.			
Bottle No.		4	
Wt. of Bottle + Water + Soil $W_1$ in g		397.4	
Temperature T in $^{\circ}\text{C}$		29	
Wt. of Bottle + Water $W_2$ in g		365.9	
Evaporating Dish No.		18	
Wt. of dish	g	298.0	
Wt. of dish + dry soil	g	347.5	
Wt. Bottle + Dry Soil in	g		
Wt. of Bottle in	g	117.8	
Wt. of Soil $W_s$ in	g	49.5	
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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(2)

Geotechnical Engineering Laboratory

SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_  
Date: 30/4/2021  
Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 42 Sample Depth. 2.05 - 2.55 M

Sample No.: UD-1

Determination No.			
Bottle No.		9	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		371.6	
Temperature T in °C		32	
Wt. of Bottle + Water W <sub>2</sub> in g		340.4	
Evaporating Dish No.		24	
Wt. of dish g		302.0	
Wt. of dish + dry soil g		351.2	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		92.0	
Wt. of Soil W <sub>s</sub> in g		49.2	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

5/13/94  
 Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 12/08/21  
 Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 42 Sample Depth. \_\_\_\_\_

Sample No.: D-1, 2, 3

Determination No.			
Bottle No.		<u>15</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>380.5</u>	
Temperature T in °C		<u>30</u>	
Wt. of Bottle + Water $W_2$ in g		<u>348.8</u>	
Evaporating Dish No.		<u>10</u>	
Wt. of dish g		<u>163.3</u>	
Wt. of dish + dry soil g		<u>213.1</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>100.8</u>	
Wt. of Soil $W_s$ in g		<u>49.8</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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 Geotechnical Engineering Laboratory  
 SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 12/03/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 41 Sample Depth. \_\_\_\_\_

Sample No.: D-29, 30, 31

Determination No.				
Bottle No.		20		
Wt. of Bottle + Water + Soil $W_1$ in g		373.7		
Temperature T in °C		30		
Wt. of bottle + Water $W_2$ in g		342		
Evaporating Dish No.		16		
Wt. of dish g		310.4		
Wt. of dish + dry soil g		360.2		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		94		
Wt. of Soil $W_s$ in g		49.8		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_S$				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$   $G_S$  \_\_\_\_\_

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## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Location: \_\_\_\_\_

Date: 12/6/21Boring No.: 40 Sample Depth: \_\_\_\_\_

Tested by: \_\_\_\_\_

Sample No.: D-25, 26, 27

Determination No.			
Bottle No.		12	
Wt. of Bottle + Water + Soil $W_1$ in g		375.4	
Temperature T in °C		29	
Wt. of Bottle + Water $W_2$ in g		344	
Evaporating Dish No.		24	
Wt. of dish g		302.0	
Wt. of dish + dry soil g		351.2	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		96	
Wt. of Soil $W_s$ in g		49.2	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: SA 394Test No.: 61612Location: HmubBoring No.: 37 Sample Depth. —Sample No.: D-32, 33, 34

Tested by: \_\_\_\_\_

Determination No.			
Bottle No.	9		
Wt. of Bottle + Water + Soil $W_1$ in g	371.6		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	340.6		
Evaporating Dish No.	26		
Wt. of dish g	272.1		
Wt. of dish + dry soil g	321.2		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	92		
Wt. of Soil $W_s$ in g	49.1		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/04/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 36 Sample Depth. \_\_\_\_\_Sample No.: D-8, 9, 10

Determination No.			
Bottle No.		<u>10</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>373.6</u>	
Temperature T in °C		<u>30</u>	
Wt. of Bottle + Water $W_2$ in g		<u>342.0</u>	
Evaporating Dish No.		<u>14</u>	
Wt. of dish	g	<u>158.5</u>	
Wt. of dish + dry soil	g	<u>208.3</u>	
Wt. Bottle + Dry Soil in	g		
Wt. of Bottle in	g	<u>93.6</u>	
Wt. of Soil $W_s$ in	g	<u>49.8</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: 284

Test No.: \_\_\_\_\_

Date: 24/4/2024

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 35 Sample Depth: \_\_\_\_\_

Sample No.: D-31, 32

Determination No.			
Bottle No.	4		
Wt. of Bottle + Water + Soil $W_1$ in g	397.1		
Temperature T in °C	31		
Wt. of Bottle + Water $W_2$ in g	365.8		
Evaporating Dish No.	9		
Wt. of dish g	151.8		
Wt. of dish + dry soil g	201.4		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	117.4		
Wt. of Soil $W_s$ in g	49.6		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_S$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$G_S$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_Test No.: \_\_\_\_\_  
Date: 14/04/21  
Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: \_\_\_\_\_ Sample Depth: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Determination No.		
Bottle No.	10	
Wt. of Bottle + Water + Soil $W_1$ in g	373.4	
Temperature $T$ in °C	31	
Wt. of Bottle + Water $W_2$ in g	342.0	
Evaporating Dish No.	16	
Wt. of dish g	310.3	
Wt. of dish + dry soil g	360.0	
Wt. Bottle + Dry Soil in g		
Wt. of Bottle in g	93.6	
Wt. of Soil $W_s$ in g	49.7	
Specific Gravity of Water $G_T$ at $T$ °C		
Specific Gravity of Soil: $G_s$		

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_Test No.: \_\_\_\_\_  
Date: 24/4/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 34 Sample Depth: \_\_\_\_\_

Sample No.: D-25, 26

Determination No.			
Bottle No.	1		
Wt. of Bottle + Water + Soil $W_1$ in g	374.1		
Temperature T in °C	31		
Wt. of Bottle + Water $W_2$ in g	342.2		
Evaporating Dish No.	6		
Wt. of dish g	159.7		
Wt. of dish + dry soil g	209.5		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	94.3		
Wt. of Soil $W_s$ in g	49.8		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$$G_s = \dots$$

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_  
Date: 21/4/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 34 Sample Depth. 2.10 - 2.55 m

Sample No.: UD-1

Determination No.			
Bottle No.	12		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	374.8		
Temperature T in °C	30		
Wt. of Bottle + Water W <sub>2</sub> in g	343.7		
Evaporating Dish No.	21		
Wt. of dish g	302.3		
Wt. of dish + dry soil g	351.6		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	96.0		
Wt. of Soil W <sub>s</sub> in g	49.3		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: H-343Test No.: 1216/21Date: 12/6/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No. : D-33 Sample Depth. \_\_\_\_\_Sample No. : D-31, 32, 33

Determination No.			
Bottle No.	6		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	373.3		
Temperature T in °C	29		
Wt. of Bottle + Water W <sub>2</sub> in g	342		
Evaporating Dish No.	16		
Wt. of dish g	310.4		
Wt. of dish + dry soil g	359.5		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	93.6		
Wt. of Soil W <sub>s</sub> in g	49.1		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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 SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 03/05/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 32 Sample Depth. 0.05 - 1.05 M

Sample No.: UD-1

Determination No.			
Bottle No.		<u>7</u>	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		<u>372.2</u>	
Temperature T in °C		<u>30</u>	
Wt. of Bottle + Water W <sub>2</sub> in g		<u>340.4</u>	
Evaporating Dish No.		<u>10</u>	
Wt. of dish g		<u>163.3</u>	
Wt. of dish + dry soil g		<u>212.8</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>91.9</u>	
Wt. of Soil W <sub>s</sub> in g		<u>49.5</u>	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>S</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>S</sub> \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
H mb  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 9/6/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 29 Sample Depth. \_\_\_\_\_

Sample No.: D-31, 32, 33

Determination No.			
Bottle No.		6	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		372.8	
Temperature T in °C		28	
Wt. of Bottle + Water W <sub>2</sub> in g		342	
Evaporating Dish No.		16	
Wt. of dish g		310.4	
Wt. of dish + dry soil g		359.6	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		93.6	
Wt. of Soil W <sub>s</sub> in g		49.2	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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 SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 30/4/2020  
 Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 29 Sample Depth: \_\_\_\_\_

Sample No.: UD-2

Determination No.			
Bottle No.		<u>6</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>373.5</u>	
Temperature T in °C		<u>32</u>	
Wt. of Bottle + Water $W_2$ in g		<u>341.8</u>	
Evaporating Dish No.		<u>20</u>	
Wt. of dish g		<u>279.7</u>	
Wt. of dish + dry soil g		<u>329.7</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>93.6</u>	
Wt. of Soil $W_s$ in g		<u>50.0</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$G_s$  \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 27 Sample Depth. \_\_\_\_\_Sample No.: D-12, 3

Determination No.			
Bottle No.		20	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		373.6	
Temperature T in °C		29	
Wt. of Bottle + Water W <sub>2</sub> in g		342.0	
Evaporating Dish No.		8	
Wt. of dish	g	165.7	
Wt. of dish + dry soil	g	215	
Wt. Bottle + Dry Soil in	g		
Wt. of Bottle in	g	94	
Wt. of Soil W <sub>s</sub> in	g	49.3	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 24 Sample Depth. \_\_\_\_\_Sample No.: D-23, 24, 25

Determination No.			
Bottle No.	2		
Wt. of Bottle + Water + Soil $W_1$ in g	371.6		
Temperature T in $^{\circ}\text{C}$	29		
Wt. of Bottle + Water $W_2$ in g	340.0	340.0	
Evaporating Dish No.	21		
Wt. of dish g	302.2		
Wt. of dish + dry soil g	351.6		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	91.7		
Wt. of Soil $W_s$ in g	49.4		
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: Gs			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

Gs \_\_\_\_\_

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 SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 12/08/21  
 Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 23 Sample Depth. \_\_\_\_\_

Sample No.: D-24, 25, 26

Determination No.			
Bottle No.		17	
Wt. of Bottle + Water + Soil $W_1$ in g		394.1	
Temperature T in $^{\circ}\text{C}$		30	
Wt. of Bottle + Water $W_2$ in g		362.3	
Evaporating Dish No.		13	
Wt. of dish g		148.8	
Wt. of dish + dry soil g		198.6	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		114.3	
Wt. of Soil $W_s$ in g		49.8	
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$			
Specific Gravity of Soil: $G_s$			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

$G_s$  \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 17/10/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 22 Sample Depth. \_\_\_\_\_

Sample No.: D - 33

Determination No.			
Bottle No.		16	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		381.3	
Temperature T in °C		29	
Wt. of Bottle + Water W <sub>2</sub> in g		350.0	
Evaporating Dish No.		20	
Wt. of dish g		279.7	
Wt. of dish + dry soil g		329.3	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		102.1	
Wt. of Soil W <sub>s</sub> in g		49.6	
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>S</sub>			

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

G<sub>S</sub> \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_  
 Date: 23/10/21  
 Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 22 Sample Depth: \_\_\_\_\_

Sample No.: D-24

Determination No.			
Bottle No.	17		
Wt. of Bottle + Water + Soil $W_1$ in g	394.0		
Temperature T in °C	28		
Wt. of Bottle + Water $W_2$ in g	362.4		
Evaporating Dish No.	15		
Wt. of dish g	312.2		
Wt. of dish + dry soil g	361.7		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	14.3		
Wt. of Soil $W_s$ in g	49.5		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$   $G_s$  \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

oil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 21 Sample Depth. \_\_\_\_\_Sample No.: D-29, 30

Determination No.			
Bottle No.	1		
Wt. of Bottle + Water + Soil $W_1$ in g	373.6		
Temperature T in °C	29		
Wt. of Bottle + Water $W_2$ in g	342.3		
Evaporating Dish No.	26		
Wt. of dish g	272.0		
Wt. of dish + dry soil g	321.2		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	94.3		
Wt. of Soil $W_s$ in g	49.2		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $G_T W_s$  $G_s$

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## SPECIFIC GRAVITY TEST

*SL 394*  
Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 21 Sample Depth. \_\_\_\_\_Sample No.: D-1

Determination No.				
Bottle No.		7		
Wt. of Bottle + Water + Soil $W_1$ in g		372.1		
Temperature T in °C		29		
Wt. of Bottle + Water $W_2$ in g		340.5		
Evaporating Dish No.		23		
Wt. of dish	g	323.8		
Wt. of dish + dry soil	g	373.4		
Wt. Bottle + Dry Soil in	g			
Wt. of Bottle in	g	91.9		
Wt. of Soil $W_s$ in	g	49.6		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_S$				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_S$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 17/10/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 20 Sample Depth. \_\_\_\_\_

Sample No.: D-30

Determination No.			
Bottle No.	9		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	372.1		
Temperature T in °C	29		
Wt. of Bottle + Water W <sub>2</sub> in g	340.6		
Evaporating Dish No.	14		
Wt. of dish g	158.5		
Wt. of dish + dry soil g	208.3		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	92		
Wt. of Soil W <sub>s</sub> in g	49.8		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>S</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>S</sub> \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_  
Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 19 Sample Depth. \_\_\_\_\_

Sample No.: D-31, 32, 33

Determination No.			
Bottle No.		10	
Wt. of Bottle + Water + Soil $W_1$ in g		373.3	
Temperature T in °C		29	
Wt. of Bottle + Water $W_2$ in g		342.2	
Evaporating Dish No.		24	
Wt. of dish g		302.0	
Wt. of dish + dry soil g		351.2	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		93.6	
Wt. of Soil $W_s$ in g		49.2	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $G_T W_s$

$G_s$  \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 16/08/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 19 Sample Depth: \_\_\_\_\_Sample No.: D-25

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Determination No.				
Bottle No.		26		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g		385.1		
Temperature T in °C		29		
Wt. of Bottle + Water W <sub>2</sub> in g		353.3		
Evaporating Dish No.		6		
Wt. of dish	g	159.8		
Wt. of dish + dry soil	g	209.5		
Wt. Bottle + Dry Soil in	g			
Wt. of Bottle in	g	105		
Wt. of Soil W <sub>s</sub> in	g	49.7		
Specific Gravity of Water G <sub>T</sub> at T°C				
Specific Gravity of Soil: G <sub>s</sub>				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 9/6/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 16 Sample Depth. \_\_\_\_\_Sample No.: D-2

Determination No.			
Bottle No.	8		
Wt. of Bottle + Water + Soil $W_1$ in g	372.6		
Temperature T in °C	28		
Wt. of Bottle + Water $W_2$ in g	341.2		
Evaporating Dish No.	10		
Wt. of dish g	163.2		
Wt. of dish + dry soil g	213		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	92.7		
Wt. of Soil $W_s$ in g	49.8		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_  
Date: 30/04/2021

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 15 Sample Depth. 5.05 - 5.55

Sample No.: UD-2

Determination No.			
Bottle No.	10		
Wt. of Bottle + Water + Soil $W_1$ in g	372.8	372.8	
Temperature T in °C	32		
Wt. of Bottle + Water $W_2$ in g	342.0		
Evaporating Dish No.	26		
Wt. of dish g	27.21		
Wt. of dish + dry soil g	321.0		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	93.6		
Wt. of Soil $W_s$ in g	48.9		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

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## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 17/10/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 15 Sample Depth. \_\_\_\_\_

Sample No.: D - 33

Determination No.			
Bottle No.	4		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	397		
Temperature T in °C	29		
Wt. of Bottle + Water W <sub>2</sub> in g	365.9		
Evaporating Dish No.	25		
Wt. of dish g	283.4		
Wt. of dish + dry soil g	332.4		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	117.8		
Wt. of Soil W <sub>s</sub> in g	49.0		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>S</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>S</sub> \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 V 904

Test No.: \_\_\_\_\_  
 Date: 12/10/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 13 Sample Depth. \_\_\_\_\_

Sample No.: D - 32

Determination No.				
Bottle No.		15		
Wt. of Bottle + Water + Soil $W_1$ in g		379.3		
Temperature T in °C		30		
Wt. of Bottle + Water $W_2$ in g		348.8		
Evaporating Dish No.		24		
Wt. of dish g		302.0		
Wt. of dish + dry soil g		351.4		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		100.8		
Wt. of Soil $W_s$ in g		49.4		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: G <sub>s</sub>				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$  G<sub>s</sub> \_\_\_\_\_

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## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 24/4/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 11 Sample Depth: \_\_\_\_\_

Sample No.: D-24, 25, 26

Determination No.			
Bottle No.	8		
Wt. of Bottle + Water + Soil $W_1$ in g	372.8		
Temperature T in °C	31		
Wt. of Bottle + Water $W_2$ in g	341.1		
Evaporating Dish No.	5		
Wt. of dish g	171.6		
Wt. of dish + dry soil g	221.4		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	92.7		
Wt. of Soil $W_s$ in g	49.8		
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 30/4/2021

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 10 Sample Depth. \_\_\_\_\_Sample No.: UD-3

Determination No.			
Bottle No.		<u>8</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>372.6</u>	
Temperature T in °C		<u>32</u>	
Wt. of Bottle + Water $W_2$ in g		<u>341.1</u>	
Evaporating Dish No.		<u>16</u>	
Wt. of dish g		<u>310.3</u>	
Wt. of dish + dry soil g		<u>360.1</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>92.7</u>	
Wt. of Soil $W_s$ in g		<u>49.8</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$   $G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: \_\_\_\_\_

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 09 Sample Depth. \_\_\_\_\_Sample No.: D-26, 27, 28, 29

Determination No.			
Bottle No.		<u>12</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>375.6</u>	
Temperature T in °C		<u>28</u>	
Wt. of Bottle + Water $W_2$ in g		<u>344</u>	
Evaporating Dish No.		<u>18</u>	
Wt. of dish g		<u>298.0</u>	
Wt. of dish + dry soil g		<u>347.8</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>96.0</u>	
Wt. of Soil $W_s$ in g		<u>49.8</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

$$\text{Remarks } \frac{G_T W_s}{W_s - W_1 + W_2}$$

$$G_s = \dots$$

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 03/05/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 8 Sample Depth. \_\_\_\_\_Sample No.: UD-1

Determination No.			
Bottle No.		11	
Wt. of Bottle + Water + Soil $W_1$ in g		373.5	
Temperature T in °C		30	
Wt. of Bottle + Water $W_2$ in g		342.1	
Evaporating Dish No.		19	
Wt. of dish	g	285.5	
Wt. of dish + dry soil	g	334.6	
Wt. Bottle + Dry Soil in	g		
Wt. of Bottle in	g	93.6	
Wt. of Soil $W_s$ in	g	49.1	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 9/6/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: 07 Sample Depth. \_\_\_\_\_

Sample No.: D-27, 28, 29

Determination No.			
Bottle No.		<u>16</u>	
Wt. of Bottle + Water + Soil $W_1$ in g		<u>381.4</u>	
Temperature T in °C		<u>28</u>	
Wt. of Bottle + Water $W_2$ in g		<u>350.0</u>	
Evaporating Dish No.		<u>6</u>	
Wt. of dish g		<u>159.8</u>	
Wt. of dish + dry soil g		<u>209.2</u>	
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g		<u>102.1</u>	
Wt. of Soil $W_s$ in g		<u>49.4</u>	
Specific Gravity of Water $G_T$ at T°C			
Specific Gravity of Soil: $G_s$			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_s$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 20/4/2024

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 07 Sample Depth. \_\_\_\_\_Sample No.: UD-1

Determination No.				
Bottle No.		11		
Wt. of Bottle + Water + Soil $W_1$ in g		373.5		
Temperature T in °C		32		
Wt. of Bottle + Water $W_2$ in g		342.1		
Evaporating Dish No.		25		
Wt. of dish g		283.4		
Wt. of dish + dry soil g		333.0		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		93.6		
Wt. of Soil $W_s$ in g		49.6		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_S$				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

$G_S$  \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 18/04/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 06 Sample Depth: \_\_\_\_\_Sample No.: D-32, 33

Determination No.				
Bottle No.		15		
Wt. of Bottle + Water + Soil $W_1$ in g		380.0		
Temperature T in °C		30		
Wt. of Bottle + Water $W_2$ in g		348.8		
Evaporating Dish No.		20		
Wt. of dish g		279.7		
Wt. of dish + dry soil g		329.3		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		100.8		
Wt. of Soil $W_s$ in g		49.6		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_s$				

$$\text{Remarks } \frac{G_T W_s}{W_s - W_1 + W_2}$$

$$G_s = \dots$$

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 18/04/21

Location: \_\_\_\_\_

Tested by: \_\_\_\_\_

Boring No.: \_\_\_\_\_ Sample Depth: \_\_\_\_\_

Sample No.: \_\_\_\_\_

Determination No.				
Bottle No.		14		
Wt. of Bottle + Water + Soil $W_1$ in g		373.2		
Temperature T in $^{\circ}\text{C}$		30		
Wt. of Bottle + Water $W_2$ in g		341.9		
Evaporating Dish No.		21		
Wt. of dish g		302.3		
Wt. of dish + dry soil g		351.6		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		94.0		
Wt. of Soil $W_s$ in g		49.3		
Specific Gravity of Water $G_T$ at $T^{\circ}\text{C}$				
Specific Gravity of Soil: G <sub>s</sub>				

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$

G<sub>s</sub> \_\_\_\_\_

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## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Date: 18/4/21

Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No.: 04 Sample Depth. 45, 46.5, 48 MSample No.: D-30, 31, 32

Determination No.			
Bottle No.	11		
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	373.5		
Temperature T in °C	30		
Wt. of Bottle + Water W <sub>2</sub> in g	342.1		
Evaporating Dish No.	25		
Wt. of dish g	283.4		
Wt. of dish + dry soil g	332.8		
Wt. Bottle + Dry Soil in g			
Wt. of Bottle in g	93.6		
Wt. of Soil W <sub>s</sub> in g	49.4		
Specific Gravity of Water G <sub>T</sub> at T°C			
Specific Gravity of Soil: G <sub>s</sub>			

Remarks  $\frac{G_T W_s}{W_s - W_1 + W_2}$  G<sub>s</sub> \_\_\_\_\_

## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_  
\_\_\_\_\_Test No.: \_\_\_\_\_  
Date: 24/4/21  
Tested by: \_\_\_\_\_

Location: \_\_\_\_\_

Boring No. : 04 Sample Depth. 2.10-2.55 MSample No. : UD-1

Determination No.		
Bottle No.	9	
Wt. of Bottle + Water + Soil W <sub>1</sub> in g	371.7	
Temperature T in °C	31	
Wt. of Bottle + Water W <sub>2</sub> in g	340.4	
Evaporating Dish No.	10	
Wt. of dish g	163.2	
Wt. of dish + dry soil g	212.4	
Wt. Bottle + Dry Soil in g		
Wt. of Bottle in g	92.0	
Wt. of Soil W <sub>s</sub> in g	49.2	
Specific Gravity of Water G <sub>T</sub> at T°C		
Specific Gravity of Soil: G <sub>s</sub>		

Remarks 
$$\frac{G_T W_s}{W_s - W_1 + W_2}$$

G<sub>s</sub> \_\_\_\_\_

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## Geotechnical Engineering Laboratory

## SPECIFIC GRAVITY TEST

Soil Sample: \_\_\_\_\_

Test No.: \_\_\_\_\_

Location: \_\_\_\_\_

Date: 9/6/21Boring No.: 01 Sample Depth. \_\_\_\_\_Sample No.: D-32, 33, 34

Tested by: \_\_\_\_\_

Determination No.				
Bottle No.		9		
Wt. of Bottle + Water + Soil $W_1$ in g		371.5		
Temperature T in °C		28		
Wt. of Bottle + Water $W_2$ in g		340.6		
Evaporating Dish No.		25		
Wt. of dish g		283.5		
Wt. of dish + dry soil g		332.5		
Wt. Bottle + Dry Soil in g				
Wt. of Bottle in g		92.0		
Wt. of Soil $W_s$ in g		49.0		
Specific Gravity of Water $G_T$ at T°C				
Specific Gravity of Soil: $G_s$				

$$\text{Remarks } \frac{G_T W_s}{W_s - W_1 + W_2}$$

$$G_s \underline{\hspace{10cm}}$$