



# KASETSART UNIVERSITY

## DEPARTMENT OF CIVIL ENGINEERING, GEOTECHNICAL ENGINEERING LABORATORY STANDARD COMPACTION TEST (ASTM 698-78)

For: \_\_\_\_\_

Project: \_\_\_\_\_

Station: \_\_\_\_\_

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

Soil Description: \_\_\_\_\_

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

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

Compaction method: \_\_\_\_\_

Weight of Hammer: \_\_\_\_\_ lb.

Height of Drop: \_\_\_\_\_ in.

Blows Per Layer: \_\_\_\_\_

No. of Layers: \_\_\_\_\_

Mould Size: \_\_\_\_\_

Diameter: \_\_\_\_\_ cm

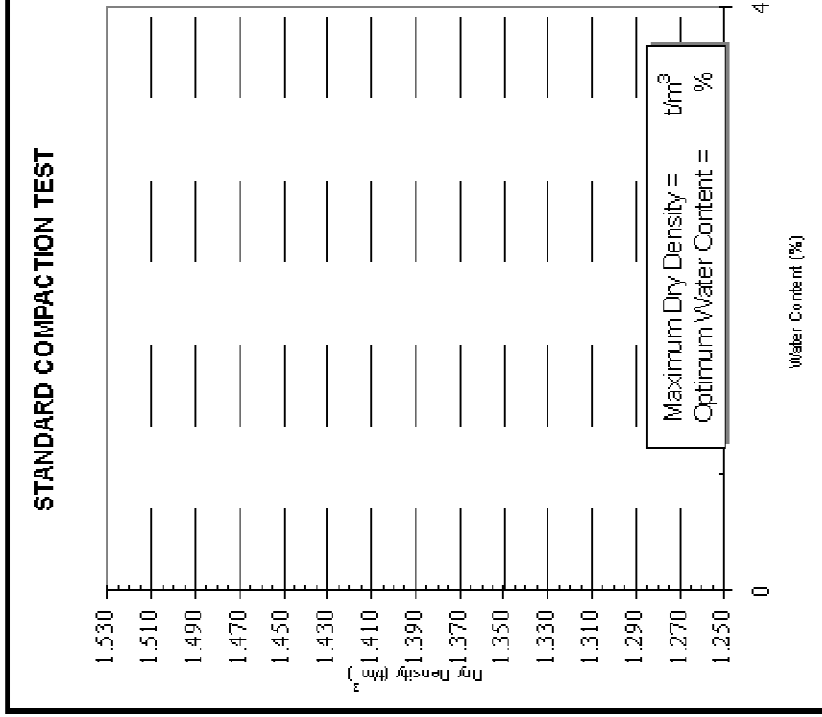
Height: \_\_\_\_\_ cm

Volume of Mould, V: \_\_\_\_\_ cm<sup>3</sup>

COMPACTION		Test No.	1	2	3	4	5	6	7
Assumed	Water Content	%							
Weight of Air Dry Soil Used		g							
Water Content of Air Dry Soil		%							
Amount of Water Added		cc							
Weight of Wet Soil + Mould		g							
Weight of Mould		g							
Weight of Wet Soil, W		g							
Wet Density, $\gamma = W/V$		g/cm <sup>3</sup>							
Dry Density, $\gamma_d = 100\gamma/(100+w)$		g/cm <sup>3</sup>							

### WATER CONTENT

	A	B	C	D	E
Container No.					
Weight of Wet Soil + Container	g				
Weight of Dry Soil + Container	g				
Weight of Water	g				
Weight of Container	g				
Weight of Dry Soil	g				
Water Content, w	%				



Remarks: 1) Certification applies to test samples only.  
 2) Information under "For", "Project", are supplied by client. These are not certified  
 3) This certificate is invalid without appropriate signature and seal.



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**MODIFIED COMPACTION TEST (ASTM D 1557-78)**

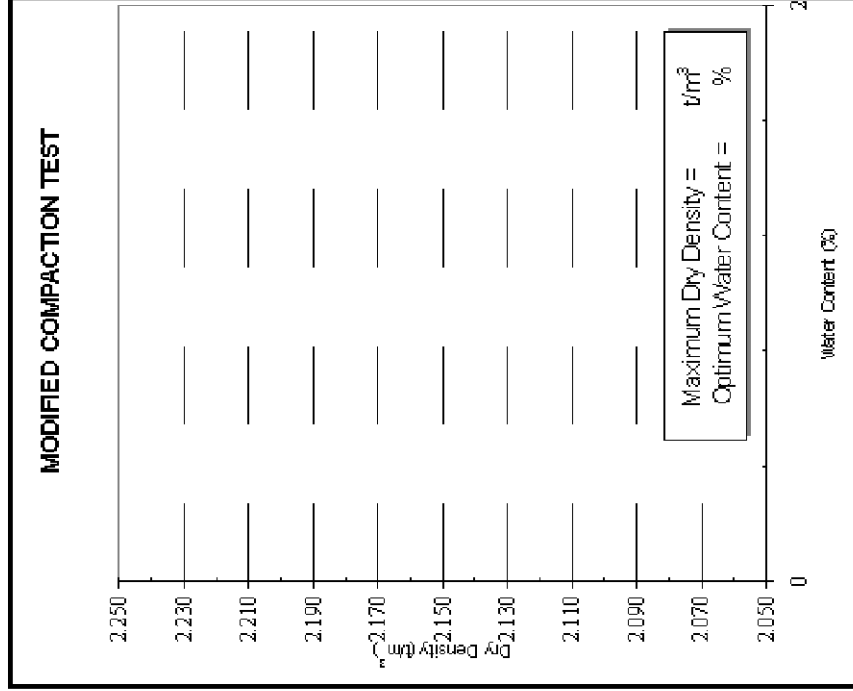
For: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Station: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Soil Description: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Tested by: \_\_\_\_\_

Compaction method: \_\_\_\_\_  
 Weight of Hammer: \_\_\_\_\_ lb.  
 Height of Drop: \_\_\_\_\_ in.  
 Blows Per Layer: \_\_\_\_\_  
 No. of Layers: \_\_\_\_\_  
 Mould Size: \_\_\_\_\_  
 Diameter: \_\_\_\_\_ cm  
 Height: \_\_\_\_\_ cm  
 Volume of Mould, V: \_\_\_\_\_ cm<sup>3</sup>

COMPACTON	Test No.	1	2	3	4	5	6	7
Assumed Water Content	%							
Weight of Air Dry Soil Used	g							
Water Content of Air Dry Soil	%							
Amount of Water Added	cc							
Weight of Wet Soil + Mould	g							
Weight of Mould	g							
Weight of Wet Soil, W	g							
Wet Density, $\gamma = W/V$	g/cm <sup>3</sup>							
Dry Density, $\gamma_d = 100\gamma/(100+w)$	g/cm <sup>3</sup>							

**WATER CONTENT**

	A	B	C	D	E
Container No.					
Weight of Wet Soil + Container	g				
Weight of Dry Soil + Container	g				
Weight of Water	g				
Weight of Container	g				
Weight of Dry Soil	g				
Water Content, w	%				



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