

Report #3

Liquid Limit and Plastic Limit Test

Report by

[]

Experiment Date [- - 20]

Submission Due Date [- - 20]

[This report contains the following outlines

1. The title;
2. Measurements and calculations;
3. Discussion &
4. References]

[This work was supervised by

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Note for student: please do not write below this line

Report was marked by _____

Maximum attainable mark _____

Report's mark _____

Notes for student (if any):

Name..... Group No..... Date Time.....

Visual description of soil:

This test is conducted in accordance with **ASTM D 4318** "Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils".



Percent of soil particles passing the No. 40 (425- μ m) sieve	
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1. Please place in the appropriate place

	Sample No.	
Are there any material excluded from the test specimen?	No	
	Yes*	
Method used for liquid limit: Method A (multipoint) or Method B (one-point)	A	
	B*	
All mass measurements to the nearest 0.01 g	Yes	
	No*	
Liquid limit or plastic limit tests could not be performed	Yes*	
	No	
The plastic limit is equal to or greater than the liquid limit	Yes*	
	No	

** Please give more details in your discussion section below*

2. Measurements and calculations

2.1 Liquid limit (LL)					
Trial No.	Number of drops N	Mass of container(g) M_c	Mass of container and wet specimen (g) M_{cws}	Mass of container and oven dry specimen (g) M_{cs}	Water content (%) w^n or w
1					
2					
3					
4					
5					

2.2 Plastic limit (PL)					
1	X				
2					
3					
		Average			



