Laboratory Information

Laboratory: **QA-LAB**
Technician:
Sample By
Test Standard:
Test Date:
Report Date:
Test Method:
Prep. Method.
Dispersion Device
Hydrometer Type:
Mixing Method:
Specific Gravity was:

Sample Information

Structure:
Work Area
Source
Material Type:
Sample Name:
Sample Number:
Sample Date:
Elevation
Depth From
Depth To:
North
East

Moisture Content Test 25 g

Trial No.		
Tare Name.		
Oven Temperature (°C)		
Tare Plus Wet Soil (gr)		
Tare Plus Dry Soil (gr)		
Water, Ww (gr)		
Tare (gr)		
Dry Soil, Ws (gr)		
Moisture Content (%)		

Atterber Limit Results

Liquid Limit (%)	
Plasticity Index (%)	

Specific Gravity

SG	

Hydrometer Analysis

Dispersing Agent	
Amount used (g)	
Temperature of test, T (ºC)	
Viscosity of water (g*s/cm2)	
Mass density of water Calibrated (ρ_C)	
Acceleration (cm/s2)	
Volume of suspension (V_{sp}) cm3	
Meniscus Correction, Cm	

Moisture Content Test 50 g

Trial No.		
Tare Name.		
Oven Temperature (°C)		
Tare Plus Wet Soil (gr)		
Tare Plus Dry Soil (gr)		
Water, Ww (gr)		
Tare (gr)		
Dry Soil, Ws (gr)		
Moisture Content (%)		

Hydrometer Calibration:		**Hydrometer measure of fluid:**	
Hydrometer ID:		Hydrometer ID:	
Temperature (ºC)	Actual Reading	Temperature (ºC)	Actual Reading

Hydrometer Calibration:		**Hydrometer measure of fluid:**	
Hydrometer ID:		Hydrometer ID:	
Temperature (ºC)	Actual Reading	Temperature (ºC)	Actual Reading

Reading for 25g	Date	Hour	Reading Time, T (min)	Temp °C	Hydrometer Readings (Rm)	A or B depending of the Hydrometer type	Offset at Reading (r_{dm})	*Mass Percent Finer (N_m) (%)*	Effective Length(H_m)	*D*, mm
1										
2										
3										
4										
5										
6										
7										
8										
9										

Suggested Reading Times: 1 min, 2 min, 4 min, 15 min, 30 min, 60 min (1 hour) , 240 min (4 hour), 360 min (6 hr), 1440 min (24 hr).

Reading for 50g	Date	Hour	Reading Time, T (min)	Temp °C	Hydrometer Readings (Rm)	A or B depending of the Hydrometer	Offset at Reading (r_{dm})	*Mass Percent Finer (N_m) (%)*	Effective Length(H_m)	*D*, mm
1										
2										
3										
4										
5										
6										
7										
8										
9										

Suggested Reading Times: 1 min, 2 min, 4 min, 15 min, 30 min, 60 min (1 hour) , 240 min (4 hour), 360 min (6 hr), 1440 min (24 hr).

Percent Dispersion

Nm, 2µm not dispersed	
Nm, 2µm dispersed	
% Dispersion	
Classification	

Laboratory Comments:

Reviewed by: _____ Date: _____