

Grain Size Distribution
 Members: JM, JS, EE, GR, SC
 Group Number: 2
 Date: 4/17/22

546.3858108 cgfmax
 49.73628393 pfmmax

Table 1 - Moisture Content of Fine Fraction

Weight of Container and Wet Soil, g.	132.84 g
Weight of Container & Dry Soil, g.	131.96 g
Weight of Container, g.	82.83 g
Weight of Moisture, g.	0.88 g
Weight of Dry Soil, g.	49.13 g
Moisture Content, %.	1.791166294 %

Table 2 - Dry Weight of Course and Fine Fraction

Weight of Pan & Wet Fine Fraction, g.	928.9 g
Weight of Pan, g.	382.53 g
Weight of Wet Fine Fraction, g.	546.37 g
Moisture Content of Fine Fraction, %	1.791166294 %
Weight of Dry Fine Fraction, g.	536.7558108 g
Weight of Dish & Coarse Fraction, g.	1028.82 g
Weight of Dish, g.	472.43 g
Weight of Dry Coarse Fraction, g	556.39 g
Weight of Dry Coarse & Fine Fraction (w/correction), g.	1098.565811 g
- No. 10 Correction (if any)	5.42

Table 3 - Dry Weight of Course and Fine Fraction

Sieve Number	Size Opening	Individual Grams Retained
1.5in	38	0
1in	25	38.46
3/4in	19	232.48
1/2in	12.5	224.02
3/8in	9.52	48.01
No. 4	4.75	9.21
No. 10	2	4.33
-	INPUT	INPUT
Cumulative Grams Finer	% Finer	
1098.565811	100	
1060.105811	96.49907182	
827.6258108	75.336935	
603.6058108	54.94489314	
555.5958108	50.57464973	
546.3858108	49.73628393	
542.0558108	49.34213367	
#VALUE!	#VALUE!	

Table 4 - Sieve Analysis of Fine Fraction

Sieve Number	Size Opening (mm)	Cumulative Grains Retained
No. 16	1.18	0.2
No. 30	0.6	0.94
No. 60	0.25	7.27
No. 100	0.15	45.89
No. 200	0.075	57.12
Cumulative Grams Finer	% Finer	
74.57	of No.10	of Whole
73.83	99.73251304	49.60324586
67.5	98.74281129	49.11100498
28.88	90.276849	44.90034994
17.65	38.62511703	19.21069787
	23.60572422	11.74061002

Table 5 - Dry Weight of Hydrometer Sample

Weight of Dish and Wet Soil	299.46 g
Weight of Dish	224.44 g
Weight of Wet Soil	75.02 g
Moisture Content	0.33
Weight of Dry Soil	74.77 g