Sieve Analysis of Fine Aggregate and Coarse Aggregate

Data Sheet for Fine Aggregate

Student's ID: 202330044

Group No.: 04

Experiment No.:

Name of Experiment:

Sample:

Reference/method:

Sieve No.	Sieve Opening (mm)	Material Retained (gm)	% of Materials Retained	Cumulative % of Material Retained	% Finer Retained
3 inch					
1.5 inch					
$\frac{3}{4}$ inch					
$\frac{3}{8}$ inch					
# 4					
# 8					
# 16					
# 30					
# 50					
# 100					
Pan/Tray	-			-	
Total	-				-
FM					

Calculation:

Result:

Student's Signature …… Faculty ……

Data Sheet for Coarse Aggregate

Student's ID: 202330044

Group No.: 04

Experiment No.:

Name of Experiment:

Sample:

Reference/method:

Sieve No.	Sieve Opening (mm)	Material Retained (gm)	% of Materials Retained	Cumulative % of Material Retained	% Finer Retained
3 inch					
1.5 inch					
$\frac{3}{4}$ inch					
$\frac{3}{8}$ inch					
# 4					
# 8					
# 16					
# 30					
# 50					
# 100					
Pan/Tray	-			-	
Total	-				-
FM					

Calculation:

$FM_{comb} = \frac{m_1 FM_1 + m_2 FM_2}{m_1 + m_2}$ where, m_1=amount of FA

m_2=amount of CA

Result:

Student's Signature …… Faculty ……