



Red Rock Quarry Work Sheet for Sieve Analysis of Granular Material



Project No:	Date: 6/13/2012	Test No: 1
Material Type: FA-2	Station: RRQ	Depth From Grading Grade:
Total Wt. of Sample:	Tester Name or Certification No: Noel Pidde #14828	

Coarse Sieves:				(1) Indiv. Weights	(2) Sieve Size	(3) Cumulative Wts. Passing	(4) Total % Passing	Gradation Requirements
*Pass		Sieve, Ret.	Sieve					
*Pass		Sieve, Ret.	Sieve			14.600	100	
*Pass		Sieve, Ret.	1/2" Sieve			14.600	100.000	
*Pass	1/2"	Sieve, Ret.	3/8" Sieve	0	1/2"	14.600	100.000	100
*Pass	3/8"	Sieve, Ret.	1/4" Sieve	0	3/8"	14.600	100.000	100
*Pass	1/4"	Sieve, Ret.	#4 Sieve	0.6	1/4"	14.600	100.000	100
*Pass	#4	Sieve, Ret.	Bottom	14	#4	14.000	95.890	85-100
Check Total -				14.6	*Shall Check Total Wt. Within 0.2 lbs (0.1 kg)			

*Enter necessary sieve sizes for class of material to be tested.

Column (1) Enter weights of material between each set of sieves individually.

Column (2) Enter the passing sieves size.

Column (3) Add column (1) from the bottom up to get cumulative weights passing each sieve.

Column (4) Divide column (3) by check total of sample to get total % passing.

Fine Sieves:

(A) Take two samples identical in condition and damp weight from "passing _____ #4 _____ material."

(B) Dry one sample and record weight.

(C) Wash and dry other sample and record weight.

(D) Loss in waashing (B-C) (Enter Below)

713
710.5
2.5

				(5) Indiv. Weights	(6) Sieve Size	(7) Cumulative Wts. Passing	(8) Cum. % Passing	(9) % Passing of Total Pass.	Gradation Requirements
*Pass		Sieve, Ret.	Sieve						
*Pass		Sieve, Ret.	#4 Sieve			713.0	100	95.890	
*Pass	#4	Sieve, Ret.	#8 Sieve	532.5	#4	713.0	100	95.890	85-100
*Pass	#8	Sieve, Ret.	#16 Sieve	138.5	#8	180.5	25.316	24.275	10--40
*Pass	#16	Sieve, Ret.	#50 Sieve	33.5	#16	42.0	5.891	5.649	0--10
*Pass	#50	Sieve, Ret.	#100 Sieve	2.5	#50	8.5	1.192	1.143	0--5
*Pass	#100	Sieve, Ret.	#200 Sieve	2.5	#100	6.0	0.842	0.807	
*Pass	#200	Sieve, Ret.	Bottom	1	#200	3.5	0.491	0.471	0--1
Loss by Washing-				2.5					
Check Total-				713	(*Shall Check total Wt. Within 5.0 grams)				
Percent Passing #200 Sieve Divided by Percent Passing 1 in. Sieve (if specified)									

Column (5) Enter weights of material between each set of sieves and loss by washing (DO NOT OVERLOAD SIEVES)

Column (6) Enter the passing sieve size.

Column (7) Add column (5) from bottom up to get cumulative weights passing each sieve. Be sure to add loss by washing to weight of material pas of material passing #200 sieve to get first entry at bottom of column (7).

Column (8) Divide column (7) by check total dry weight of fine sample (Column 5) to get cumulative % passing.

Column (9) Multiply column (8) by % passing final sieve from column (4) to get "Percent Passing" based on total sample.