

**COLORADO DEPARTMENT OF TRANSPORTATION
CONCRETE AGGREGATE
FIELD CONTROL TEST**

Project code (SA#)	Location
Project no.	
Test no.	Class
Item no.	Date

Source of aggregate (course)	(fine)	
Corresponding cylinder No.	Station	Structure

LARGE ROCK Total weight					MEDIUM ROCK Total weight					
Sieve size	Weights	Percent retained	Percent passing	No. 4 Specs	Sieve size	Weights	Percent retained	Percent passing	No. 67 Specs	No. 57 Specs
2"				100	1½					100
1½				90 - 100	1				100	95/100
1				20 - 55	¾				90 - 100	
¾				0 - 15	½					25/60
½					3/8				20 - 55	
3/8				0 - 5	#4				0 - 10	0/10
#4					#8				0 - 5	0/5
-#4					-#8					
Total					Total					

COMBINATION									% passing No. 200 sieve
%	Size	2"	1½"	1"	¾"	½"	3/8"	#4	Dry weight
	Large								Washed dry wt.
	Med								Loss
	Comb.								% minus No. 200
No. 467 Specs		100	95 100		35 70		10 30	0 5	Max allowable loss = 3%

SAND Total weight					% free H ₂ O & batch weight calculations				Yard batch					
Sieve size	Weights	Percent retained	Percent passing	M - 6 Specs	Wet method (pycnometer)	Dry method	Large	Med	Fine	Water				
3/8"				100	Weights	Wet wt.					x	x		
#4				95 - 100	Pyc. + H ₂ O + Agg.	Dry wt.					x	x		
#8					Pyc. + H ₂ O	Loss					x	x		
#16				45 - 80	Difference	Tot. % H ₂ O					x	x		
#30					Bulk SSD Sp. G.	- % Abs.					x	x		
#50				10 - 30	% free H ₂ O (chart)	% free H ₂ O					x	x		
#100				2 - 10	SSD batch wts.									
-#100					X % free H ₂ O =									
Total					Adj. batch wts.									
					Lbs. water ÷ 8.33 = Gals. req'd									
					= FM Design FM									

Remarks

Sampled by	Title	Tested by	Title
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