



UTAH DEPARTMENT OF TRANSPORTATION
REGION TWO MATERIALS

Rev 05/2005

CONCRETE SAND AND GRAVEL SIEVE ANALYSIS

AASHTO: T-2, T-248, T-11, T-27, M-0, M-80 and M-43



CONCRETE SUPPLIER: EFL 2000
PLANT LOCATION: _____
AUTH. NO.: 81MATC39
SAMPLE DATE: _____

LAB. NO.: SAND: _____
GRAVEL: _____

SAND SOURCE: _____
GRAVEL SOURCE: _____

SAND	
B.W.	784.9
A.W.	784.9
- #200 W.O.	0.0
- #200 S.O.	0.1
- #200 TOT	0.1

SAND

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	SPECS
1/2"	0.0	0.0	100	
3/8"	0.0	0.0	100	100
#4	0.2	0.0	100	95-100
#8	199.8	25.5	75	80-100
#16	193.3	24.6	50	45-80
#30	198.0	25.2	25	25-60
#50	193.0	24.6	0	Out of Spec 10-30
#100	0.4	0.1	0	Out of Spec 2-10
#200	0.0	0.0	0.0	0-3
- #200	0.1	0.0		
TOTAL	784.8		RECP. 0.127420998	

GRAVEL	
B.W.	
A.W.	
- #200 W.O.	0.0
- #200 S.O.	
- #200 TOT	0.0

#67 GRAVEL (3/4" MAX.)

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	SPECS
1"	0.0	#DIV/01	#DIV/01 #DIV/01	100
3/4"		#DIV/01	#DIV/01 #DIV/01	90-100
1/2"		#DIV/01	#DIV/01	
3/8"		#DIV/01	#DIV/01 #DIV/01	20-55
#4		#DIV/01	#DIV/01 #DIV/01	0-10
#8		#DIV/01	#DIV/01	0-5
#200		#DIV/01	#DIV/01	0-1
- #200	0.0	#DIV/01		
TOTAL	0.0		RECP. #DIV/01	

SILT ANALYSIS (- #200)

	SAND:	GRAVEL:	SPECS
	0.01%	#DIV/01	0-3
		#DIV/01	0-1

AASHTO M-6
AASHTO M-80

Gradation Acceptable (Y/N)

Remarks: _____

Tested By: _____

JOHN BUTTERFIELD
MATERIALS ENGINEER



UTAH DEPARTMENT OF TRANSPORTATION
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Rev 05/2005

CONCRETE SAND AND GRAVEL SIEVE ANALYSIS

AASHTO: T-2, T-248, T-11, T-27, M-6, M-80 and M-43



CONCRETE SUPPLIER: Gilson
PLANT LOCATION: _____
AUTH. NO.: 81MATC39
SAMPLE DATE: _____

LAB. NO.: SAND: _____
GRAVEL: _____

SAND SOURCE: _____
GRAVEL SOURCE: _____

SAND	
B.W.	784.7
A.W.	784.7
- #200 W.O.	0.0
- #200 S.O.	0.1
- #200 TOT	0.1

SAND

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	SPECS
1/2"	0.0	0.0	100	
3/8"	0.0	0.0	100	100
#4	0.3	0.0	100	95-100
#8	198.3	25.3	75	80-100
#16	195.3	24.9	50	45-80
#30	197.6	25.2	25	25-60
#50	193.0	24.6	0	Out of Spec 10-30
#100	0.5	0.1	0	Out of Spec 2-10
#200	0.0	0.0	0.0	0-3
- #200	0.1	0.0		
TOTAL	785.1		RECP. 0.127372309	

GRAVEL	
B.W.	
A.W.	
- #200 W.O.	0.0
- #200 S.O.	
- #200 TOT	0.0

#67 GRAVEL (3/4" MAX.)

SIEVE SIZE	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	SPECS
1"	0.0	#DIV/0!	#DIV/0! #DIV/0!	100
3/4"		#DIV/0!	#DIV/0! #DIV/0!	90-100
1/2"		#DIV/0!	#DIV/0!	
3/8"		#DIV/0!	#DIV/0! #DIV/0!	20-55
#4		#DIV/0!	#DIV/0! #DIV/0!	0-10
#8		#DIV/0!	#DIV/0!	0-5
#200		#DIV/0!	#DIV/0!	0-1
- #200	0.0	#DIV/0!		
TOTAL	0.0		RECP. #DIV/0!	

SILT ANALYSIS (- #200)

	SAND:	GRAVEL:	SPECS
	0.01%	#DIV/0!	0-3
		#DIV/0!	0-1

AASHTO M-4
AASHTO M-80

Gradation Acceptable (Y/N)

Remarks: _____

Tested By: _____

JOHN BUTTERFIELD
MATERIALS ENGINEER