

Transit Mix Concrete Co. Materials Laboratory

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COARSE AGGREGATE REPORT

No. 917-10/07/22-07

JOB NAME/SOURCE: Daniels Sand

SAMPLE DESCRIPTION: Class VI Recycled Concrete

Production Cut

DATE SAMPLED: October 7, 2022

TIME SAMPLED: 10:30 AM

SAMPLED BY: MM

DATE TESTED: October 10, 2022

TIME TESTED: 9:00 AM

TESTED BY: MM

ASTM C 136	AASHTO T 27 & M 92					Specification Class 6 Aggregate Base Coarse	
SIEVE SIZE	INDIVIDUAL WEIGHT	CUMULATIVE WEIGHT	% RETAINED	% PASSING			
50.0 mm or 2"	0.0	0.0	0.0%	100.0%			
37.5 mm or 1.5"	0.0	0.0	0.0%	100.0%			
25.0 mm or 1"	0.0	0.0	0.0%	100.0%	100	PASS	
19.0 mm or 3/4"	22.0	22.0	0.7%	99.3%	95-100	PASS	
12.5 mm or 1/2"	561.0	583.0	19.8%	80.2%			
9.5 mm or 3/8"	439.3	1022.3	34.8%	65.2%			
4.75 mm or 4	596.4	1618.7	55.1%	44.9%	30 - 65	PASS	
2.36 mm or 8	310.8	1929.5	65.6%	34.4%	25 - 55	PASS	
1.18 mm or 16	259.6	2189.1	74.5%	25.5%			
600 um or 30	223.7	2412.8	82.1%	17.9%			
300 um or 50	230.6	2643.4	89.9%	10.1%			
150 um or 100	151.2	2794.6	95.1%	4.9%			
75 um or 200	37.9	2832.5	96.4%	3.6%	3 - 12	PASS	
Pan/Oven Dry Wt.	2832.5	2939.5					

FINENESS MODULUS:

ASTM D 422 (0.02 mm)

ASTM C 566	AASHTO T 255									
Max. Nominal Size (in)	4.75 mm (#4)	9.5 mm (3/8 in)	12.5 mm (1/2 in)	19.0 mm (3/4 in)	25.0 mm (1 in)	37.5 mm (1 1/2 in)				
Min. Sample Size (g)	500	1500	2000	3000	4000	6000				
Mass of Original Sample (W)	3181.3						Moisture Content			
Mass of Dried Sample (D,B)	2939.5		$p = 100 (W - D)/D$				8.2%			

ASTM C 117	AASHTO T 11							
Max. Nominal Size (in)	≤ 4.75 mm (#4)		> 4.75 mm (#4) to 9.5 mm (3/8 in)		> 9.5 mm (3/8 in) to 19.0 mm (3/4 in)		> 19.0 mm (3/4 in)	
Min. Sample Size (g)	300		1000		2500		5000	
Mass of Dried Sample (D,B)	2939.5						% Mat. Finer than #200 Sieve	
Dry Mass of Sample-Washed (C)	2832.5		$A = [(B - C)/B] \times 100$				3.6%	

ASTM C 131/535	AASHTO T 96		Grading	B	No. of Spheres	No. of Revolutions		
Sieve Retained on	Oven Dry Wt.	Total Oven Dry Wt.	Wt. after #12 Sieve	Difference	Percent Total Loss	Percent Reported Loss		
1/2"		0.0		#VALUE!	#VALUE!	#VALUE!		
3/8"								

