

AGGREGATE SUBMITTAL

Report of Physical Properties

GRP Material Description: Washed, Concrete Report Date: _____
 GRP Material Code: SAND Reviewed by: _____
 Source Location/Code: _____ Report No. 525SAND00108

TEST RESULTS				SIEVE ANALYSIS			
Standard	PHYSICAL PROPERTIES		Result	Test Source	ASTM C136	AASHTO T27	
ASTM C 29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. = Voids, % = <input type="checkbox"/> Jigged <input type="checkbox"/> Loose <input type="checkbox"/> Rodded			Sieve Size	% Passing	Spec.
ASTM D1557 AASHTO T180	Modified Proctor	Max. density, lbs./cu.ft. = Optimum Moisture, % =			450 mm (18")		
ASTM D598 AASHTO T99	Standard Proctor	Max. density, lbs./cu.ft. = Optimum Moisture, % =			375 mm (15")		
ASTM D4318 AASHTO T89/90	Liquid Limit Plastic Limit Plasticity Index	Liquid Limit = Plastic Limit = Plasticity Index =			300 mm (12")		
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse Loss, % = Grading/Revolutions, =			250 mm (10")		
ASTM C535	L.A. Abrasion	Large Coarse Loss, % = Grading/Revolutions, =			225 mm (9")		
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity (dry) = Bulk Specific Gravity, SSD = Apparent Specific Gravity = Absorption, % =			200 mm (8")		
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) = Bulk Specific Gravity, SSD = Apparent Specific Gravity = Absorption, % =			150 mm (6")		
ASTM D2419 AASHTO T176	Sand Equivalent	Sand Equivalent, % =			125 mm (5")		
ASTM C 88 AASHTO T104	Soundness	Coarse Soundness Loss, % = Magnesium No. of Cycles =			100 mm (4")		
	Soundness	Fine Soundness Loss, % = Magnesium No. of Cycles =			75.0 mm (3")		
ASTM C 1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % = Method C (as received material)			63.0 mm (2-1/2")		
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % = Fine Aggregate, % =			50.0 mm (2")		
ASTM C142 AASHTO T112	Clay / Friable Particles	Coarse Aggregate, % = Fine Aggregate, % =			37.5 mm (1-1/2")		
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % = Fine Aggregate, % =			25.0 mm (1")		
ASTM D1883 AASHTO T193	CBR	Surcharge = 10 lbs CBR @ 0.1" = Swell% = 0.0% CBR @ 0.2" =			19.0 mm (3/4")		
ASTM D5821	Fractured Face	1 or 2 Faces = Fractured Face, % =			12.5 mm (1/2")		
ASTM D2487	Soil Classification	Group Symbol = Group Name =			9.5 mm (3/8")		
ASTM D2488	Soil Description & Identification	Group Symbol = Group Name =			6.3 mm (1/4")		
					4.75 mm (No. 4)	100	
					2.38 mm (No. 8)	94	
					2.00 mm (No. 10)	85	
					1.18 mm (No. 15)	61	
					0.600 mm (No. 30)	37	
					0.425 mm (No. 40)	30	
					0.300 mm (No. 50)	20	
					0.180 mm (No. 80)		
					0.150 mm (No. 100)	6.4	
					0.075 mm (No. 200)	1.2	
					ASTM D422		
					Hydrometer =		
					ASTM C568 AASHTO T255		
					Moisture Content, % =		
					ASTM C136 AASHTO T27		
					Fineness Modulus (FM) =		
					AASHTO M145		
					Classification of Soils =		
					ASTM D4791 Ratio =		
					Flat & Elongated =		