

Geotechnical Testing Services, Inc.

1044 E. 21St Street, Yuma, AZ 85365

Phone (928) 329-4695 Fax (928) 329-4782

SUMMARY OF TEST

CLIENT: H & S Development
PROJECT: Compliance Testing
MATERIAL: Washed Concrete Sand; For Use As Golf Course Sand
SOURCE: Fortuna Wash Pit
DATE: 8/1/2012
Log No.: 12-0267

GOLF COURSE CHAMPION TOP DRESSING SAND

Sieve Size	#4	#10	#18	#35	#60	#140	#200	#270
Notations		Gravel-2.0mm	V.Coarse-1 mm	Coarse-0.5 mm	Medium-0.25 mm	Fine-0.15 mm		V.Fine-0.05 mm
Recom. Specs.-% Ret.	NA	0.1	1.7	15.3	57.4	24.0	0.1	0.1
Test Results- % Ret.	1	33	16	15	14	10	6	4.1

TEST

STANDARD

RESULTS

SPECIFICATION

Clay Lumps & Friable Particles	ASTM C-142	NA	NA
Organic Impurities	ASTM C-40	NA	NA
Fineness Modulus		NA	NA
Absorption & Specific Gravity of Fine Concrete Aggregate	ASTM C-127	2.60 1.3	Bulk SSD Absorption
Sand Equivalent	ASTM-D-2419	NA	

Tested By:

Richard P. Arviso Sr.
 Richard P. Arviso Sr.
 ACI, ATTI, & NICET Certified Technician

Date:

8/6/12

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DATE: 8/1/2012
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ASTM C-136 & C-117 SIEVE ANALYSIS

Sieve Size	3/8"	#4	#8	#16	#30	#50	#100	#200
ASTM C-33	100	95-100	80-100	50-85	25-60	5-30	0-10	0-3
Test Results	100	99	75	51	34	21	10	4.1

RELATED INFORMATION

<u>TEST</u>	<u>STANDARD</u>	<u>RESULTS</u>	<u>SPECIFICATION</u>
Clay Lumps & Friable Particles	ASTM C-142	1.30%	2.0% Max.
Organic Impurities	ASTM C-40	Lighter than plate #1	
Fineness Modulus		3.10	
Absorption & Specific Gravity of Fine Concrete Aggregate	ASTM C-127	2.60 Bulk SSD 1.3 Absorption	
Sand Equivalent	ASTM-D-2419	76.0%	

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Date:

8/6/12