

SUMMARY REPORT OF SOIL AND AGGREGATE TESTS

Client: Sierra Ready Mix
4150 Smiley Rd.
North Las Vegas, NV 89031
Attention: Mr. Bill McDonald

Date of Report: 1/4/12
Project Number: SIEX-001
Sample Number: 53863
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Project Name: Misc. Testing
Sample Location: Jean Pit
Material Use: #89 Concrete Aggregate
Soil Classification: N/A

Soil Symbol: N/A
Date Sampled: 12/5/11
Date Received: 12/5/11
Sampled By: Client

SOIL AND AGGREGATE PROPERTIES					SIEVE ANALYSIS - ASTM C136				
	Test Method ASTM	ASTM Results	ASTM C33 Specifications	Pass or Fail	Sieve Size	Specification Limits			Pass or Fail
						Percent Passing	Min.	Max.	
Liquid Limit, LL	D4318				6"				
Plastic Limit, PL	D4318				3"				
Plasticity Index, PI	D4318				2"				
Fineness Modulus	C136				1 1/2"				
Sodium Soundness, %	AASHTO T104	0.7	12 Max.	Pass	1"				
Cleanness Value, CV	Caltrans T227				3/4"				
LA Abrasion, % loss	C131	6			1/2"	100	100		Pass
LA Abrasion, % loss	C131	28	50 Max.	Pass	3/8"	95	90	100	Pass
Soluble Sodium Sulf 100 Rev's	**				#4	42	20	55	Pass
Moisture Content, % 500 Rev's	C566				#8	10	5	30	Pass
Clay Lumps and Friable Particles	C142	0.0	5 Max.	Pass	#16	4	0	10	Pass
Lightweight Pieces, %	C123	0.0	0.5 Max.	Pass	#30	2			
Uncorrected Max. Dry Density, pcf	D1557				#50	1	0	5	Pass
Uncorrected Optimum Moisture, %	D1557				#100	1			
Corrected Max. Dry Density, pcf	D1557				#200	1.0	0	1	Pass
Corrected Optimum Moisture, %	D1557								
Bulk Specific Gravity, (+#4)	C127	2.536							
Bulk SSD Specific Gravity(+ #4)	C127	2.577							
Apparent Specific Gravity(+ #4)	C127	2.644							
Absorption, % (+ #4)	C127	1.6							

Comments: ²ASTM C123 performed with Zinc Chloride with specific gravity of 2.00



Reviewed By: _____ 1-4-12

Date: _____