

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: 53773
Page: 1 of 1

Project Name: Misc. Lab Testing
Sample Location: Jean Pit
Material Use: Fine Concrete Aggregate
Soil Classification: N/A

Soil Symbol: N/A
Date Sampled: 11/22/11
Date Received: 11/22/11
Sampled By: Client

SOIL AND AGGREGATE PROPERTIES					SIEVE ANALYSIS - ASTM C136,C117				
	Test Method	ASTM Results	ASTM		Sieve Size	Percent Passing	Specification Limits		Pass or Fail
			C33	Pass or Fail			Min.	Max.	
			Specifications	Fail					
Liquid Limit, LL	D4318				6"				
Plastic Limit, PL	D4318				3"				
Plasticity Index, PI	D4318				2"				
Fractured Faces, %	1 Face	NDOT T230			1 1/2"				
Fractured Faces, %	2 Faces	NDOT T230			1"				
Organic Impurities	C40	*	*	Pass	3/4"				
Sand Equivalent, SE	D2419				1/2"				
Sodium Soundness, % loss Fine	C88	0.7	10 Max.	Pass	3/8"	100	100	100	Pass
LA Abrasion, % loss 100 Rev's	C131				#4	100	95	100	Pass
Fineness Modulus	C136	2.83			#8	90	80	100	Pass
Clay Lumps and Friable Particles	C142	0.0	3.0 Max.	Pass	#16	62	50	85	Pass
Lightweight Pieces, %	C123	~0.0	0.5 Max.	Pass	#30	38	25	60	Pass
Uncorrected Max. Dry Density, pcf	D1557				#50	20	5	30	Pass
Uncorrected Optimum Moisture, %	D1557				#100	6	0	10	Pass
Corrected Max. Dry Density, pcf	D1557				#200	1.2	0	5	Pass
Corrected Optimum Moisture, %	D1557								
Bulk Specific Gravity, (-#4)	C128	2.597							
Bulk SSD Specific Gravity, (-#4")	C128	2.632							
Apparent Specific Gravity, (-#4)	C128	2.693							
Absorption, %, (-#4)	C128	1.4							

Comments: *Lighter than standard

²AASHTO T113 performed with Zinc Chloride with specific gravity of 2.00

Reviewed By: _____

Date: _____

