



LAS VEGAS
MATERIALS TESTING

ASTM C33 TESTING OF FINE AGGREGATE

Client: Sierra Ready Mix, Inc.
4150 Smiley Rd.
North Las Vegas, Nevada 89081

Attn: Brandon Smithey

Date Sampled:	4/15/2010
Sampled By:	Client
Supplier:	Sierra Ready Mix, Inc.
Source:	Stockpile - Sierra Ready Mix Jean, Nevada Quarry
Location:	Jean, Nevada

Material Description:	Washed Concrete Sand
Project No:	L10019-1
Lab No:	2474

Sieve Analysis ASTM C136			Test Results	Spec.	
Sieve Size	Percent Passing	ASTM C33 Specification	Specific Gravity - ASTM C128		
			Bulk Specific Gravity	2.59	--
			Bulk Specific Gravity (SSD)	2.62	--
			Apparent Specific Gravity	2.68	--
			Absorption, %	1.3	--
			Damp Loose Unit Weight - ASTM C29, PCF (@ 3.8% Moisture Content)	77.2	
			Clay Lumps and Friable Particles - ASTM C142, %	0.4	3.0 Max
1"			Lightweight Particles (Material Lighter Than 2.0 Sp. Gr.) - ASTM C123, %	0.0	
3/4"			Lightweight Particles (Coal and Lignite) - ASTM C123, %	0.0	0.5 Max **
1/2"			Sand Equivalent - ASTM D2419	85	
3/8"	100	100	Organic Impurities - ASTM C40	< Standard Non-injurious	< Standard
# 4	100	95-100	Sodium Sulfate Soundness - ASTM C88, Weighted % Loss	1	10 Max
# 8	91	80-100	Potential Reactivity - ASTM C289 (Chemical Method)	Innocuous	
# 16	61	50-85	Rc, mmol / L	133	
# 30	37	25-60	Sc, mmol / L (Average of 3 Replicates)	30.16	
# 50	18	5-30			
# 100	5	0-10			
# 200	0.6	0-3.0 *	Comments: * Concrete subject to abrasion, 0-5.0 for all other concrete. ** When the appearance of the concrete is of importance, 1.0 Max. for all other concrete.		
FM	2.88	2.3 - 3.1			

Report By: MLK

Reviewed By:

