



LAS VEGAS
MATERIALS TESTING

**ASTM C33 TESTING OF
COARSE 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:	#89 Coarse Concrete Aggregate
Client No:	L10019-1
Lab No:	2475

Sieve Analysis ASTM C136			Test Results	Spec.	
Sieve Size	Percent Passing	ASTM C33 Specification			
			Specific Gravity - ASTM C127		
6"			Bulk Specific Gravity	2.56	--
4"			Bulk Specific Gravity (SSD)	2.60	--
3 1/2"			Apparent Specific Gravity	2.65	--
3"			Absorption, %	1.3	--
2 1/2"			Dry-Rodded Unit Weight - ASTM C29, PCF	100.2	--
2"			Clay Lumps and Friable Particles - ASTM C142, %	0.1	**
1 1/2"			Lightweight Particles (Material Lighter Than 2.0 Sp. Gr.) - ASTM C123, %	0.0	--
1"			Lightweight Particles (Coal and Lignite) - ASTM C123, %	0.0	**
3/4"			Cleanness Value - Calif T227	--	--
1/2"	100	100	Sodium Sulfate Soundness - ASTM C88, Weighted % Loss	1	12 Max
3/8"	94	90-100	Los Angeles Abrasion - ASTM C131 (Grading C)		
# 4	46	20-55	@ 100 Revolutions, % Loss	7	--
# 8	11	5-30	@ 500 Revolutions, % Loss	29	50 Max
# 16	3	0-10	Potential Reactivity - ASTM C289 (Chemical Method)	Innocuous	--
# 30	1		Rc, mmol / L	127	--
# 50	0	0-5	Sc, mmol / L (Average of 3 Replicates)	22.86	--
# 100	0				
# 200	0.3	0-1.0 *	Comments:	* Refer to Footnote C of ASTM C33. ** Based on the intended use of the concrete (Refer to ASTM C33 Table 3).	

Report By: MUK

Reviewed By:

