

ASTM C33 TESTING OF FINE AGGREGATE



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

Attn: Michael King

Date Sampled:	5/1/2009
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:	L09019-1
Lab No:	1978

Sieve Analysis ASTM C136			Test Results	Spec.
Sieve Size	Percent Passing	ASTM C33 Specification		
			Specific Gravity - ASTM C128	
			Bulk Specific Gravity	2.60
			Bulk Specific Gravity (SSD)	2.63
			Apparent Specific Gravity	2.68
			Absorption, %	1.2
			Damp Loose Unit Weight - ASTM C29, PCF (@ 2.7% Moisture Content)	76.4
			Clay Lumps and Friable Particles - ASTM C142, %	0.1
				3.0 Max
1"			Lightweight Pieces (Material Lighter Than 2.0 Sp. Gr.) - ASTM C123, %	0.0
3/4"			Lightweight Pieces (Coal and Lignite) - ASTM C123, %	0.0
				0.5 Max **
1/2"			Sand Equivalent - ASTM D2419	81
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	88	80-100	Potential Reactivity - ASTM C289 (Chemical Method)	--
# 16	61	50-85	Rc, mmol / L	--
# 30	37	25-60	Sc, mmol / L (Average of 3 Replicates)	--
# 50	18	5-30		
# 100	6	0-10		
# 200	1.0	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	2.90	2.3 - 3.1		

Report By: MUK

Reviewed By:

