



300 Sierra Manor Drive, Suite 1  
 Reno, NV 89511

August 2, 2018  
 File: 1009

Mr. Chris Benna  
**RILITE AGGREGATES**  
 3025 Mill Street  
 Reno, NV 89502

**RE: Rilite Pit – No. 8 Lightweight Aggregate**

Dear Mr. Benna:

Per your request, we have performed aggregate quality testing on the sample of Rilite Pit No. 8 aggregate received by our laboratory. Test results in comparison with ASTM C33 specifications are as follows:

Sieve Size Analysis (ASTM C136/C117)		
U.S. Standard Sieve Size	Percent by Weight Passing	
	Rilite Pit	No. 8 Aggregate ASTM C33 Specifications
½ Inch	100	100
¾ Inch	100	85 - 100
No. 4	25	10 - 30
No. 8	4	0 - 10
No. 16	3	0 - 5
No. 30	3	-
No. 200	0.8	0 - 1.0

Clay Lumps and Friable Particles (ASTM C142)	
Percent Total Sample	ASTM C33 Specification
0.4%	2.0% Maximum

Aggregate Unit Weight (ASTM C29)		
		ASTM C33 Specification
Dry Rodded Unit Weight	78.9 PCF	-
Dry Loose Unit Weight	74.9 PCF	-

Specific Gravity and Absorption (ASTM C127)	
Bulk Specific Gravity (SSD Basis)	2.20
Absorption	4.5%

Los Angeles Abrasion (ASTM C131)	
Percentage Loss After 500 Revolutions No. 8 Aggregate (Grading C)	ASTM C33 Specifications
27.2%	50% Maximum

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Cleanness Value (Nev. T228)	
Coarse Aggregate Sample	NDOT Specification
91	71 Minimum

Sodium Sulfate Soundness (ASTM C88)	
Weighted Percentage Loss	ASTM C33 Specification
8.3%	10% Maximum

Lightweight Pieces (ASTM C123)	
Percent of Total Sample	ASTM C33 Specification
0.5%	0.5% Maximum

We appreciate this opportunity to provide our laboratory testing services. If you have any questions or require further information, please do not hesitate to contact us.

Sincerely,

**CONSTRUCTION MATERIALS ENGINEERS, INC.**



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