



IMPERIAL LIMESTONE TECHNICAL DATA SHEET

Grading of grab sample

Sieve Size	Cum% passing Sieve	ASTM C 33 #57
1 ½	100	100
1	93	95-100
¾	68	
½	28	25-60
3/8	12	
#4	8	0-10
#8	7	0-5
Pan	0	

Typical properties of grab sample

	Result	ASTM C33
ASTM C117 Fine Particles		
Lightweight particles < Specific Gravity 2.0	None Found	0.59%
Lightweight particles < Specific Gravity 2.4	None Found	3.0%
ASTM C127 Density		
Relative Density (oven Dry Specific Gravity)	2.69 – 167 lbs./cft	
Relative Density (oven Dry Specific Gravity)	2.70 – 138.5 lbs./cft	
Apparent Relative Density	2.72 – 169.0 lbs./cft	
Absorption	0.30%	
ASTM C29 Unit Weight		
Bulk Specific Gravity (Oven Dry)	101 lbs./cft	
Void Content	40%	
ASTM C 331 Los Angeles Abrasion		
Loss by abrasion and Impact	28%	Max 35%
ASTM C 1260 Potential Alkali reactivity		
Average Specimen Expansion at 14 days	0.01%	Max 0.1%
ASTM C 88 Soundness by Magnesium Sulfate		
Total Weighted loss after test	5%	18%
CSA A23.24A resistance of unconfirmed aggregates to freezing and thawing		
Total weighted percent loss after test	4%	Control 15%