

OLDE YANKEE TERMINAL

Philadelphia's Aggregate Supply Terminal

**SIEVE ANALYSIS & WASH LOSS - AASHTO T 11, T 27
AASHTO #8 MAQ-068**

<i>SIEVE SIZE</i>	<i>MASS RETAINED</i>	<i>PERCENT RETAINED</i>	<i>PERCENT PASSING</i>	<i>AASHTO #8 SPECS</i>
1/2"	0.0	0.0	100.0	100
3/8"	752.9	7.0	93.0	85 - 100
#4	7418.4	68.8	24.3	10- 30
#8	2403.6	22.3	2.0	0 - 10
#16	105.7	1.0	1.0	0-5
<#16	109.8	1.0		
<#200			1.2	

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**SODIUM SULFATE SOUNDNESS- PTM 510
AASHTO #8 MAQ-068**

SIZE FRACTION	MASS BEFORE	MASS AFTER	PERCENT LOSS
3/8" x #4	300.6	295.1	1.8

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**LOS ANGELES ABRASION - AASHTO T 96
AASHTO #8 MAQ-068**

SIZE FRACTION	MASS BEFORE	TOTAL MASS BEFORE	MASS AFTER (+ #12)	MASS LOSS	PERCENT LOSS
3/8" x 1/4"	2500.9	5002.2	4187.4	814.8	16.3
1/4" x #4	2501.3				

ABSORPTION: 0.65
BULK DRY Sp Grv: 2.751
BULK SSD Sp Grv: 2.769
APPARENT Sp Grv: 2.801

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**SPECIFIC GRAVITY AND ABSORPTION - AASHTO T 85
AASHTO #8 MAQ-068**

ABSORPTION: 0.65

BULK DRY Sp Grv: 2.751

BULK SSD Sp Grv: 2.769

APPARENT Sp Grv: 2.801

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FLAT & ELONGATED PARTICLES- ASTM D 4791 (8@ 5:1)
AASHTO #8 MAQ-068

SIZE FRACTION	MASS TESTED	MASS F&E	PERCENT F&E	SAMPLE GRADING	CORRECTED % F & E
1/2" x 3/8"	262.3	0.0	0.0	0.092	0.0
3/8" x #4	123.2	6.1	5.0	0.908	4.5
TOTAL PERCENT FLAT & ELONGATED @ 5:1					4.5

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**FRACTURED PARTICLES - ASTM D 5821
AASHTO #8 MAQ-068**

ii!: 2 Faces: 100.0

ii!: 1 Face: 100.0

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UNIT WEIGHT OF AGGREGATE - AASHTO T 19
AASHTO #8 MAQ-068

UNIT WEIGHT lb/cuft (rodded): 91.5

Mr. Bruce Hoffman
Martin Stone Quarries, Inc.
1355 N. Reading Ave.
Bechtelsville, PA 19505

AST# 23213-8

RECEIVED: January 2, 2020


TESTED: January 27, 2020

SUBMITTED BY CLIENT

PETROGRAPHIC ANALYSIS (visual) - PTM 518
AASHTO #8 MAQ-068

Rock Type 1: 100.0% Greenish black (6G 2/1 or 6GY 2/1), dark greenish grey (5GY 4/1) or grayish black (N2), medium to coarse crystalline granitic gneiss. Some pieces are partially weathered.

SUBMITTED BY:


Wesley T. Kamerer, Geologist

DATE:

1/27/20