

OLDE YANKEE TERMINAL

Philadelphia's Aggregate Supply Terminal

**SIEVE ANALYSIS & WASH LOSS - AASHTO T 11, T 27
AASHTO #57 MAQ-06B**

<u>SIEVE SIZE</u>	MASS RETAINED	PERCENT RETAINED	PERCENT PASSING	AASHTO #57 SPECS
1.5"	0.0	0.0	100.0	100
1 _{1/2} "	0.0	0.0	100.0	95 - 100
3/4"	1098.9	5.4	94.6	
1/2"	8787.3	43.6	51.0	25- 60
3/8"	5017.0	24.9	26.1	
#4	4492.0	22.3	3.9	0 - 10
#8	699.5	3.5	0.4	0-5
<#8	81.8	0.4		
<#200			0.4	

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SODIUM SULFATE SOUNDNESS- PTM 510 AASHTO #57 MAQ-068
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SIZE FRACTION	MASS BEFORE	#OF PCS	MASS AFTER	#OF PCS	PERCENT LOSS	STANDARD GRADING	CORRECTED LOSS
1.5" x 3/4 "			Assumed>		0.8	0.368	0.3
3/4" x 3/8"	1004.6		997.0		0.8	0.369	0.3
3/8" x #4	300.3		297.3		1.0	0.263	0.3
(TOTAL PERCENT LOSS							0.8

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**LOS ANGELES ABRASION - AASHTO T 96
AASHTO #57 MAQ-068**

SIZE FRACTION	MASS BEFORE	TOTAL MASS BEFORE	MASS AFTER (+ #12)	MASS LOSS	PERCENT LOSS
3/4" x 1/2"	2501.6	5003.8	4215.5	788.3	15.8
1/2" x 3/8"	2502.2				

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**SPECIFIC GRAVITY AND ABSORPTION - AASHTO T 85
AASHTO #57 MAQ-068**

ABSORPTION:	0.60
BULK DRY Sp Grv:	2.719
BULK SSD Sp Grv:	2.735
APPARENT Sp Grv:	2.764

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**FLAT & ELONGATED PARTICLES- ASTM D 4791 (B@ 5:1)
AASHTO #57 MAQ-068**

SIZE FRACTION	MASS TESTED	MASS F&E	PERCENT F&E	SAMPLE GRADING	CORRECTED %F&E
1"x 3/4"	1098.9	0.0	0.0	0.057	0.0
3/4 "x 1/2"	768.9	7.4	1.0	0.453	0.4
1/2" x 3/8"	294.5	5.8	2.0	0.259	0.5
3/8" x #4	119.0	6.3	5.3	0.232	1.2
TOTAL PERCENT FLAT & ELONGATED @ 5:1					2.2

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FRACTURED PARTICLES - ASTM D 5821
AASHTO #57 MAQ-068

>2Faces: 100.0

>1 Face: 100.0

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UNIT WEIGHT OF AGGREGATE- AASHTO T 19
AASHTO #57 MAQ-068

UNIT WEIGHT lb/cuft (rodded): 102.2