

NorthEast Transportation Training & Certification Program

Resistance to Degradation of Aggregate by Abrasion Test Report (T 96)

Date/Time:		Lab/Location:	
Weather:		Date Rec'd #:	Random Sample: Yes No
Project:		Lab Login #:	Lot #:
Contract #:		Material ID:	Sublot #:
Contractor:		Material #:	Sample Location:
Pay Item #:		Sample #:	Station:
Source:		Sample Type: QC A-V IA DR Other	Offset:
Plant Type:		Sampled By/Cert. #:	

Resistance to Degradation of Small-Size Coarse Aggregate By Abrasion & Impact in the Los Angeles Machine (T 96)					
Standard Gradings (500 Revolutions)					
Sieve Size		Mass of Indicated Sizes, g			
Passing, in. (mm)	Retained, in. (mm)	Grading A	Grading B	Grading C	Grading D
1 1/2 (37.5)	1 (25)	1250 +/- 25			
1 (25)	3/4 (19)	1250 +/- 25			
3/4 (19)	1/2 (12.5)	1250 +/- 10	1250 +/- 10		
1/2 (12.5)	3/8 (9.5)	1250 +/- 10	1250 +/- 10		
3/8 (9.5)	1/4 (6.3)			1250 +/- 10	
1/4 (6.3)	#4 (4.75)			1250 +/- 10	
#4 (4.75)	#8 (2.36)				5000 +/- 10
Total:		5000 +/- 10	5000 +/- 10	5000 +/- 10	5000 +/- 10
Number of Steel Balls:		12	11	8	6
Mass of Ball Charge, g:		5000 +/- 25	4584 +/- 25	3330 +/- 20	2500 +/- 15
Test Results					
Passing Sieve	Retaining Sieve	Grading A	Grading B	Grading C	Grading D
1 1/2 (37.5)	1 (25)				
1 (25)	3/4 (19)				
3/4 (19)	1/2 (12.5)				
1/2 (12.5)	3/8 (9.5)				
3/8 (9.5)	1/4 (6.3)				
1/4 (6.3)	#4 (4.75)				
#4 (4.75)	#8 (2.36)				
Total original Sample (a):					
Coarse Portion > #12 (1.7 mm) after 500 Revolutions (b):					
Los Angeles Wear: $((a - b) / a) * 100$					

Comments:				
Tested by:			Reviewed by:	
Certification #:			Certification #:	
Date:			Date:	
Test Results Within Engineering Limits:		YES <input type="checkbox"/>	NO <input type="checkbox"/>	