

NorthEast Transportation Training & Certification Program

Fine Aggregate Angularity Test Report (T 304)

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. #:	

Uncompacted Void Content of Fine Aggregate - Method A (T 304)			
Test #:			
Mass of sample: (190 g +/- 0.2 g)			
Mass of Cylinder + Glass + Crease + Water (A):			
Mass of Cylinder + Glass + Crease (B):			
Mass of Water (C): (A - B)			
Temperature of Water, °F: between 60 and 85 F			
Volume of Cylinder, mL (V): $1000 \times (C / \text{density of water from table 3})$			
Bulk Specific Gravity (G_{sb}): (From T 84)			
Mass of Cylinder + sample (Wcs):			
Mass of empty Cylinder (Wc):			
Mass of fine aggregate (W): (Wcs - Wc)			
% Uncompacted Voids (U): $((V - (W / G_{sb})) / V) \times 100$			
Average of % Uncompacted Voids (Uavg):			

Method A Sample Size	
Sieve Size	Mass required
1.18 mm	44 g
600 µm	57 g
300 µm	72 g
150 µm	17 g
Total Sample Mass:	190 g +/- 0.2 g

T19 Table 3 - Density of Water	
Temp °F	Density kg/m ³
60	999.01
65	998.54
70	997.97
73.4	997.54
75	997.32
80	996.59
85	995.83

Comments:

Tested by:	Reviewed by:
Certification #:	Certification #:
Date:	Date:
Results Within Specification Limits: <input type="checkbox"/>	Results Outside Specification Limits: <input type="checkbox"/>