

WEST VIRGINIA DIVISION OF HIGHWAYS

MAXIMUM SPECIFIC GRAVITY WORKSHEET

MAXIMUM SPECIFIC GRAVITY - BOWL METHOD (AASHTO T-209)		
A	Sample Weight	
B	Bowl + Sample in Water Weight	
C	Bowl in Water (Calibration Weight)	
D	Surface Dry Sample Weight (For Dry-Back Procedure Only)	
E	Max. Sp. Gr. = $A / [A - (B - C)]$ or Dry-Back Max. Sp. Gr. = $A / [D - (B - C)]$	

MAXIMUM SPECIFIC GRAVITY - PYCNOMETER METHOD (AASHTO T-209)		
A	Sample Weight	
B	Pycnometer + Water Weight (Calibration Weight)	
C	Pycnometer + Sample + Water Weight	
D	Surface Dry Sample Weight (For Dry-Back Procedure Only)	
E	Max. Sp. Gr. = $A / (A + B - C)$ or Dry-Back Max. Sp. Gr. = $A / (D + B - C)$	

Dry Back: In Accordance With Supplemental Procedure of AASHTO T209

Weighing Interval		Time	Weight of Pan + Sample
0	Min.		
15	Min.		
30	Min.		
45	Min.		
60	Min.		
75	Min.		
90	Min.		
105	Min.		
120	Min.		
135	Min.		
150	Min.		
165	Min.		
180	Min.		
195	Min.		
210	Min.		
225	Min.		

1) Weight of Pan + Final Surface Dry Weight _____

2) Weight of Pan _____

D) Surface Dry Sample Weight (1 - 2) _____

Percent asphalt content used for determining the maximum specific gravity = _____