

West Virginia Division of Highways
Asphalt Content By Ignition Method (AASHTO T308, Test Method A) And
Mechanical Analysis Of Extracted Aggregate - AASHTO T30

Lab Number: _____ Material: _____ Field Sample #: _____
Technician: _____ T400 #: _____ Cal. Factor: _____ Date: _____

Data Before Ignition	Test Temp:	°C	Data After Ignition
(A) Weight of Basket + Sample			(D) Weight of Basket + Aggregate
(B) Weight of Basket			(E) Weight of Basket
(C) Sample Weight (A - B)			(F) Aggregate Weight (D - E)
(K) Percent Asphalt Check: $\{ [(C - F) / C] \times 100 - (\text{Calibration Factor}) \}$			
Asphalt Content From Ignition Oven Printout Shall Be Used As Actual % Asphalt			
Minus 75 µm Material		Washed Grading	
(L) Weight In Pan After Gradation		(N) Weight Before Wash	
Loss On Wash (Q)		(O) Weight After Wash	
(M) Total - 200 (75 µm) Material (L + Q)		(Q) Loss (N - O)	
(S) Total Aggregate In Sample For Gradation Calculations :			(Line (F) Above)

Gradation Analysis					
Sieve Size	Weight Retained	Percent Retained	Percent Passing	Reported Percent Passing	Tolerance Limits
2 in (50 mm)					
1 1/2 in (37.5 mm)					
1 in (25 mm)					
3/4 in (19 mm)					
1/2 in (12.5 mm)					
3/8 in (9.5 mm)					
No. 4 (4.75 mm)					
No. 8 (2.36 mm)					
No. 16 (1.18 mm)					
No. 30 (600 µm)					
No. 50 (300 µm)					
No. 200 (75 µm)					
- 200 (75 µm) (M)					
Total Wt. (W)					
0.2% Check: $W - Q$		$100 (O - X) / O$			
= Total Weight (X) _____		_____ %			

The Summation Of The Retained Weights Of All Of The Sieves Plus The Pan Weight Must Check The Dry Weight After Wash (O) Within 0.2% Of The Total Weight (X).

Attach all asphalt content oven printouts to this report.