

WORKSHEET FOR CONTROL OF ASPHALT MIXES AASHTO T 30, AASHTO T 176, AASHTO T 308, AND ASTM D 5821

	AAS	SHTO T 3	0, AASH	TO T 1	176,	, AASHT	O T	' 308, AND A	STM D	5821		
Project:				Source:								
Sample of				Lot No.				Sample No.				
Where sam		Time sar				d:						
Sampled by		Date:			Tested by:							
		T BY INGN	ITION					<u> </u>				
Oven mod	el: NC	AT Tr	oxler	Other				Weighing Meth	od:	External	Internal	
R A. Furnac	tion	Recorded Data and Calculated Values I. Mass of basket assembly & sample before ignition, g										
B. Total		J. Basket assembly tare mass, g										
C. Initial		K. Initial sample mass, g [I-J]										
D. Mass loss during ignition, g				L. Mass of basket assembly & residual aggregate, g								
E. Percen		M. Mass of residual aggregate, g [L-J]										
F. Tempe		N. Mass of residual aggregate after washing, g										
•		O. Mass lost during washing, No. 200 (75 µm), g [M - N]										
G. Job mix correction factor ¹ , % H. Corrected asphalt content, %				P. Final corrected % asphalt by mass of mix								
	-							1 3				
	•	ASHTO T 3								O		
Sieve	Mass ²	Percent	Percent	Targ		Allowable		DISTURE CON	•		HOD)	
Size 1-inch	Retained	Retained	Passing	Valu	es	Deviation	Q.	Mass of sample				
(25 mm)							R.	Mass of sample				
³ / ₄ -inch							S.	Mass of sample		[Q - R]		
(19.0 mm) ½-inch							T.	Mass of sample				
(12.5 mm)							U.	Moisture, %	[100 * (Q - T) / S]		
³ / ₈ -inch												
(9.5 mm) No. 4			SAND EQUIVALENT (AASHTO T 176)						(6)			
(4.75 mm)							Cy	linder no.				
No. 8							Tin	ne (20 min)				
(2.36 mm) No. 10				Sand reading								
(2.00 mm)							Cla	y reading				
No. 16				Sand equivalent								
(1.18 mm) No. 30								Α	verage S	E value		
(600 μm)												
No. 40							FR	ACTURED FA	CES (AS	STM D 5821)	
(425 μm) No. 50							V.	Mass of fracture	ed aggreg	ate, g		
(300 µm)							W.	Mass of non-fr	actured a	ggregate, g		
No. 100							X.	% fractured, %	[100 *	V/(V+W))]	
(150 μm) No. 200								,		` '		
(75 μm)												
Pan												
Washed [O]												
Total ³		¹ Individual o	oven aggregate	correction	(calil	bration) factor.						
Residual		² All masses	are in grams.		•	, i		4-				
mass [M]		1 otal mass	snould be with	ıın 0.2% of	the n	nass of residual	ı aggr	egate.				