

WORKSHEET FOR CONTROL OF ASPHALT MIXES

Sample of Lot No. Sample No. Where sampled: Time sampled: Sampled by: Date: Tested by: ASPHALT CONTENT BY INGNITION	Project:				Source:							
Sampled by:	·									Sample No		
Sampled by:	_									Sumpi	• 110.	
ASPHALT CONTENT BY INGNITION Oven model: NCAT Toxler Other Reported Ticket Information A. Furnace chamber set point, "C B. Total elapsed time, min:sec C. Initial sample mass, g C. Initial sample helofore ignition, g C. Initial sample helo												
Neported Ticket Information Recorded Data and Calculated Values			T RV INCN	ITION		atc.			rested by.			
A. Furnace chamber set point, °C B. Total elapsed time, min:sec J. Basket assembly tare mass, g C. Initial sample mass, g D. Mass loss during ignition, g E. Percent loss, % M. Mass of basket assembly & residual aggregate, g E. Percent loss, % M. Mass of residual aggregate after washing, g G. Job mix correction factor¹, % O. Mass lost during washing, No. 200 (75 μm), g M. Mass of residual aggregate after washing, g G. Job mix correction factor¹, % O. Mass lost during washing, No. 200 (75 μm), g M. Mass of residual aggregate after washing, g O. Mass lost during washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing, No. 200 (75 μm), g M. Mass of sample washing			Other				Weighing Me	thod:	External	Internal		
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C. Initial sample mass, g D. Mass loss during ignition, g E. Percent loss, % E. Percent loss, % M. Mass of basket assembly & residual aggregate, g E. Percent loss, % G. Job mix correction factor , % O. Mass lost during washing, No. 200 (75 µm), g H. Corrected asphalt content, % P. Final corrected % asphalt by mass of mix SIEVE ANALYSIS (AASHTO T 30) Sieve Mass / Percent Retained Retained Passing Values Deviation I - inch (25 mm) ½-inch (19.0 mm) ½-inch (19.5 mm) ¾-inch (9.5 mm) No. 4 (4.75 mm) No. 4 (4.75 mm) No. 10 (2.00 mm) No. 40 (425 µm) No. 50 (300 µm) No. 50 (300 µm) No. 50 (300 µm) No. 200 (75 µm) Pan Washed 10 Individual oven aggregate correction (calibration) factor. Residual												
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E. Percent loss, % M. Mass of residual aggregate, g [L-J] F. Temperature compensation, % N. Mass of residual aggregate after washing, g G. Job mix correction factor ¹ , % O. Mass lost during washing, No. 200 (75 µm), g [M-N] H. Corrected asphalt content, % P. Final corrected % asphalt by mass of mix SIEVE ANALYSIS (AASHTO T 30) Sieve Mass ² Percent Retained Retained Passing Values Deviation 1-inch (25 mm)	C. Initial		K. Initial sample mass, g						[I-J]			
F. Temperature compensation, % G. Job mix correction factor 1, % H. Corrected asphalt content, % F. Final corrected % asphalt by mass of mix SIEVE ANALYSIS (AASHTO T 30) Sieve Mass Percent Retained Passing Values Deviation Linch (25 mm) %-inch (19.0 mm) %-inch (10.5 mm) %-inch (9.5 mm) %-inch (9.5 mm) %-inch (10.5 mm) %-inch	D. Mass l											
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H. Corrected asphalt content, % P. Final corrected % asphalt by mass of mix SIEVE ANALYSIS (AASHTO T 30) Sieve Mass' Percent Percent Values Deviation 1-inch (25 mm) Passing Values Deviation (1.5 mm) Pan Washed [OI] No. 200 (75 µm) Pan Missing Percent Values Deviation Passing Pan Washed [OI] I Individual oven aggregate correction (calibration) factor. Passing Values Deviation Passing Value	_											
Sieve Mass' Percent Percent Target Allowable Deviation Q. Mass of sample + container, initial R. Mass of sample container S. Mass of sample container S. Mass of sample + container, initial R. Mass of sample + container, dry U. Moisture, % [100 * (Q - T) / S] T. Mass of sample + container, dry U. Moisture, % [100 * (Q - T) / S] SAND EQUIVALENT (AASHTO T 176) C. Sand Equivalent C. Sand Equivalent C. Sand Equivalent S. Mass of sample + container, dry U. Moisture, % [100 * (Q - T) / S] SAND EQUIVALENT (AASHTO T 176) C. Sand Equivalent C. Sand Equivalent C. Sand Equivalent						_	•	• •				
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Size Retained Retained Passing Values Deviation 1-inch (25 mm) Walues Deviation R. Mass of sample + container, initial R. Mass of sample container S. Mass of sample, initial [Q - R] T. Mass of sample + container, dry U. Moisture, w [100 * (Q - T) / S] Walues Walues Mass of sample Container S. Mass of sample + container, dry U. Moisture, w [100 * (Q - T) / S] Walues Wal	SIEVE AN	ALYSIS (A	ASHTO T 3	30)								
1-inch (25 mm)								M	DISTURE CO	NTENT	(OVEN MET)	HOD)
(25 mm)		Retained	Retained	Passing	Valı	ies	Deviation	Q.	Mass of samp	ole + cont	ainer, initial	
34-inch (19.0 mm)								R.	Mass of samp	ole contai	ner	
1	³ / ₄ -inch							S.	Mass of samp	ole, initial	[Q - R]	
(12.5 mm)								T.	Mass of samp	ole + cont	ainer, dry	
3%-inch (9.5 mm) No. 4 (4.75 mm) Cylinder no. No. 8 (2.36 mm) Sand EQUIVALENT (AASHTO T 176) Cylinder no. Time (20 min) Sand reading (Clay reading Sand equivalent No. 10 (18 mm) No. 30 (600 μm) No. 40 (425 μm) No. 50 (300 μm) No. 100 (150 μm) No. 200 (75 μm) Pan Washed [0] Total ³								U.	Moisture, %	[100 *	(Q-T)/S]	
No. 4 (4.75 mm)	3/8-inch											
(4.75 mm) Cylinder no. Time (20 min) Sand reading Clay reading Clay reading Sand equivalent Average SE value					SAND EQUIVA					LENT (AASHTO T 176)		
No. 8								Су	linder no.			
No. 10 (2.00 mm) Clay reading	No. 8							Tir	ne (20 min)			
No. 10 (2.00 mm) Clay reading Sand equivalent								Saı	nd reading			
No. 16 (1.18 mm)									•			
(1.18 mm)	No. 16								, ,			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$									•	Average	SE value	
No. 40 (425 μm) FRACTURED FACES (ASTM D 5821) No. 50 (300 μm) V. Mass of fractured aggregate, g No. 100 (150 μm) W. Mass of non-fractured aggregate, g No. 200 (75 μm) Y. % fractured, % [$100 * V/(V + W)$] Pan Washed [O] [O] Individual oven aggregate correction (calibration) factor. Residual Individual oven aggregate correction (calibration) factor.										11,610,86	22 (414)	
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Pan Washed [O] Total ³ Residual 1 Individual oven aggregate correction (calibration) factor. 2 All masses are in grams.								Λ.	76 Hactureu, 7	0 [100 ·	v / (v + vv)	J
Pan Washed [O] Total ³ 1 Individual oven aggregate correction (calibration) factor. Residual 2 All masses are in grams.												
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Total ³ 1 Individual oven aggregate correction (calibration) factor. Residual 2 All masses are in grams.												
Residual 2 All masses are in grams.	[0]											
itesiadai					correctio	n (cali	ibration) factor.					
		are in grams. should be with	in 0.2% o	f the r	mass of residua	agor	egate.					

mass [M]