

TESTING OF HMA

(IGNITION FURNACE WORKSHEET)

CONTROL SECTION	JOB NO.	MIXTURE TYPE	MIX DESIGN NO.	REPORT NO.	DATE
CONTRACTOR		PLANT NO.	PLANT LOCATION		SHEET OF
TESTER (Please Print)			QUALIFICATION NO.	LOT NO.	SUBLOT NO.

ASPHALT CONTENT - IGNITION FURNACE	AGGREGATE ANALYSIS
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		SIEVE SIZE	WEIGHT RETAINED, GRAMS	FRACTION RETAINED, %	CUMULATIVE FRACTION PASS, %
A. WT. OF BASKET ASSEMBLY					
B. WT. OF BASKET ASSY. WITH SAMPLE					
C. WEIGHT OF SAMPLE (B - A)		1-1/2" (37.5 mm)			
D. CHAMBER TEMP. SETTING (°F / °C)		1" (25.0 mm)			
E. WEIGHT LOSS		3/4" (19.0 mm)			
F. PERCENT OF LOSS		1/2" (12.5 mm)			
G. TEMPERATURE COMPENSATION		3/8" (9.5 mm)			
H. CALIBRATION FACTOR		No. 4 (4.75 mm)			
J. TEST TIME (MINUTES)		No. 8 (2.36 mm)			
K. CORRECTED ASPHALT CONTENT, %		No. 16 (1.18 mm)			
L. WT. AFTER IGNITION FURNACE		No. 30 (600 µm)			
M. WT. OF DRY AGG. AFTER WASHING		No. 50 (300 µm)			
N. WT. LOSS BY WASHING (L - M)		No. 100 (150 µm)			
O. WT. PASSING NO. 200 (75 µm)		No. 200 (75 µm)			Q.
P. TOTAL PASSING No. 200 (75 µm) (N + O)		PAN + WASH	P.	Q.	C = CARE A = ACCURACY P = PRECISION
Q. P No. 200 (75 µm) % IN AGG. (P / L) * 100		TOTAL	L.	100.00	

CRUSHED PARTICLE CONTENT	REMARKS
X. WT. OF AGG. RET. ON No. 4 (4.75mm) & ABOVE	
Y. WT. OF 2 FACE OR MORE CRUSHED	
Z. WT. OF 1 FACE OR MORE CRUSHED	
% CRUSHED, 2 FACE (Y / X) * 100	
% CRUSHED, 1 FACE (Z / X) * 100	