

RAP MATERIAL TABULATION – IGNITION FURNACE

(Arizona Test Method 428 – Appendix A)

44-9379 R03/25 azdot.gov

WHITE	
YELLOW	
BLUE	

USE CAPITAL LETTERS

LAB NUMBER	PROJ CODE	UNIT NUMBER	MATL	TYPE	PUR-POSE	TEST LAB	SIZE	SIZE %

TEST NO.	LOT OR SUFFIX	SAMPLED BY (FIRST & LAST NAME)	MO	DAY	YEAR	TIME	MILITARY TIME

SAMPLED FROM	LIFT NO.	RDWY	STATION	PLUS

ORIGINAL SOURCE	PROJECT ENGINEER/ SUPERVISOR	PROJECT NUMBER	TRACS NUMBER

REMARKS

RAP Material Moisture Content @ 140°F

p. Wet Mass of RAP Material g

q. Dry Mass of Rap Material g

r. Moisture Content @ 140°F [(p-q) / q] x100 %

RAP Material Gradation (ARIZ 240 / ARIZ 248, Alt. #2)

FACTOR = = $\frac{100}{\text{TOTAL}}$

WEIGHTS RETAINED	%RET	%PASS	SPECS
3"			
2 1/2"			
2"			
1 1/2"			
1"			
3/4"			
1/2"			
3/8"			
1/4"			
#4			
#8			
- #8			
Total			

Total RAP Material Moisture Content

r. Moisture Content @ 140°F %

c. Moisture Content @ 290°F %

s. Total Moisture Content (r + c) %

Ignition Furnace

a. Wet Mass of Moisture Sample g

b. Dry Mass of Moisture Sample g

c. Moisture Content @290°F [(a-b) / a]x100 %

d. Mass of Basket Assembly g

e. Mass of Sample and Basket Assembly g

f. Initial Mass of Sample (e-d) g

g. Ignition Furnace Set Temperature °C

h. Mass of Sample and Basket Assembly After Ignition g

i. Mass of sample After Ignition (h-d) g

j. Measured RAP Binder Content [(f-i) / f] x100) - c %

k. RAP Binder Content Correction Factor (±) %

l. Corrected RAP Binder Content (j + k) %

m. Elapsed Time of Test(minutes)

RAP Aggregate Gradation

= $\frac{100}{\text{Total [I (Rounded)]}}$

WEIGHTS RETAINED	%RET	%PASS
3"		
2 1/2"		
2"		
1 1/2"		
1"		
3/4"		
1/2"		
3/8"		
1/4"		
#4		
#8		
- #8		
Total		

Total = I (Rounded)

Weight of Pass #8 Split = n

FINE FACTOR = = $\frac{\%Pass \#8}{n}$

WEIGHTS RETAINED	%RET	%PASS
#10		
#16		
#30		
#40		
#50		
#100		
#200		
-#200		
Total		
Elutriation		

o = Dry Weight

= n - o

TEST OPERATOR & DATE PERFORMED

Coarse Sieve

Fine Sieve

Furnace

Moisture

RAP Gradation

RECEIVED DATE

TEST OPERATOR & DATE

SUPERVISOR & DATE