

# Canadian Council of Independent Laboratories

PERCENT CRUSHED PARTICLES IN COARSE AGGREGATE				LS-607-R30	
PPAR	RATUS				
1.	Balance: Readable to 1g or less, accurate to 0.1% of test load?				
OCE	EDURE				
	* Test samples for both	Methods A & B obtained	by MTO LS-600?	<u>.</u>	
repa	ration Method A				
			02?		
2.	Sample fraction ( Passi	ng 26.5mm - retained 4.75	mm) reduced to approximate m	asses in TABLE 1?	
			TABLE 1		
	Largest particle siz	e	Mass (minimum), g		
(>95% passing sieve)		e)			
26.5mm			1000		
16.0mm			<u>850</u>		
13.2mm			500		
9.5mm 6.7			200 75	<u> </u>	
	0.7		7.5		
<u>ггера</u> 1. 2. 3. 4.	Sample separated into individual fractions in TABLE 2. Separated according to LS-602?				
			TARLE A		
	Coarse Aggrega	to Fraction	TABLE 2		
	Passing Passing	Retained	Mass (minimum	n) a	
•		19.0mm	200 particles min		
		13.2mm	1250		
		9.5mm	500		
9.5mm 6.7m		6.7mm	200		
	6.7mm	4.75mm	75		
	edure				
2.	Sample or each fraction spread on large, clear flat surface?				
2. 3.	Separate asphaltic, glass or ceramic material?				
۰. ١.	Particles separated into portions according to whether (host) particle is crushed, uncrushed, with or without				
	cementations?	cementations?			
5.	Weigh and record mass of each portion to nearest 1g?				
5.	Calculation for test sample (Method A) or each fraction (Method B)?				



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LS-607-R29\_\_\_\_

## **CALCULATIONS**

% Crushed Particles = 
$$A + B$$
 x 100  
 $A + B + C + D$ 

% Cemented Particles = 
$$\frac{B+D}{A+B+C+D}$$
 x 100

Where: A = mass of crushed particles

B = mass of crushed cementations C = mass of uncrushed particles

D = mass of uncrushed cementations

7. Calculation for weighted average; Method B?.....

Weighted % Crushed Particles = 
$$\Sigma$$
 ( Fraction % Crushed x ret Grading)

100

Weighted % Cemented Particles =  $\Sigma$  ( Fraction % Cemented x ret Grading)

100

### **COMMENTS:**