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RELATIVE DENSITY OF COARSE AGGREGATE			LS-604-R30 C127-15
1.		Container (One of the following): Wire basket of 3.35 mm mesh or finer? Bucket of approx. equal breadth and height, capacity 4 to 7L, for up to 37.5mm material (if needed)?	
2.	Water ٦ (a)		
3.	Suspen: (a) (b)	6 6	
4. 5. 6. 7. 8.	Large al Balance Sieves,	ion water, temperature is 23 ± 2°C? psorbent cloth? , sensitive, readable, and accurate to 0.05% of sample weight of 0.5g (greater)? 4.75mm or other sizes as needed? naintains 110 ± 5°C?	

COMMENTS:

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RELATIVE DENSITY OF COARSE AGGREGATE		
		C127-15
	OCEDURE:	
1.	Sample obtained by ASTM C702?	
2.	Screened on 4.75mm sieve (or 2.36mm sieve if sample contains substantial quantities of	
2	minus 4.75mm material?	
3.	Obtain 2 sub-samples of approximately 3000g	
4.	Prepared sample soaked in room temperature water for 17 ± 2 hrs. (24 ± 4 hrs. ASTM)	
5.	Dust and coatings thoroughly washed from surface of particles?	
6.	Sample placed in container and set in water bath at 23 ± 1.7 °C (Mass C)?	
7.	Care taken to remove any entrapped air?	
8.	Sample weighed in water to nearest 0.5g, all subsequent masses to nearest 0.5g?	
9.	Placed on large absorbent cloth?	
	. Rolled in cloth so all visible films of water are removed?	
	Evaporation avoided?	
	. Sample weighed immediately? (Mass B)	
-	Dried to constant mass at 110 ± 5°C?	
	. Cool at room temperature for 1-3 hours and weigh (Mass A)	
15	. Lab says proper book formulas used in calculations?	
<u>Us</u>	e of Laboratory Control Aggregate	
1.	Laboratory has a supply of control aggregate? Source: Stoney Lake Quarry	
2.	Control sample tested every 10 samples or at least every week when samples tested?	
3.	Control sample mean relative density is 2.690, range is 2.681 to 2.699?	
4.	Control sample mean absorption is 0.39%, range is 0.29 to 0.49%?	
5.	Control chart showing data for last 20 samples of reference material?	
	Mean relative density for last 20 samples	
	Low relative density for last 20 samples	
	High relative density for last 20 samples	
	Mean absorption for last 20 samples	
	Low absorption for last 20 samples	
	High absorption for last 20 samples	

COMMENTS: