

Equipment Checklist

FM 1-T096 Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine

		P	F	N/A
L.A. Machine				
1	Equipped with a counter			
2	Hollow steel cylinder closed at both ends			
3	Inside diameter of 28 ± 0.2 inch or 711 ± 5 mm (706 to 716 mm)			
4	Inside length of 20 ± 0.2 inch or 508 ± 5 mm (503 to 513)			
5	Cylinder made of $\frac{1}{2}$ inch rolled steel (12.7 mm)			
6	Ends at least $\frac{1}{2}$ inch thick (12.7 mm)			
7	Cylinder mounted on stub shafts attached at ends but not entering cylinder			
8	Dust-tight cover			
9	Means for bolting cover in place			
10	Cover designed with same contour as cylinder			
11	If not, shelf so located that charge does not fall on cover or come in contact			
12	Removable steel shelf 3.5 ± 0.1 inch or 89 ± 2 mm (87-91mm) and bolted to inside of drum firm and rigid			
13	Distance from shelf to opening, measured on outside of drum in direction of rotation not less than 50 inch (1270mm)			
14	Shaft bearings mounted on concrete piers or other rigid supports			
15	Maintain of shelf not bent Properly aligned Ridge does not exceed 2 mm in height			
16	Sieves – Meets AASHTO M92			
17	Balance – Meets AASHTO M231 Readable to 0.1% of sample mass or 1g Accurate to 0.1%			
18	Charge – Balls made of steel diameter approx. 46.8 mm weight 390 to 445g			
Note	Grade A Balls 12_Required Mass-5000 \pm 25 g Grade B Balls 11_Required Mass-4584 \pm 25 g Grade C Balls 8_Required Mass-3330 \pm 20 g Grade D Balls 6_Required Mass-2500 \pm 15 g			

Remarks:

Date: _____ Technician: _____ IA Observer: _____

Technician's E-mail Address: _____

Employer's/Supervisor's E-mail Address: _____