Equipment Checklist
ASTM C-143 Slump of Hydraulic Cement Concrete

		P	F	N/A
Mold				
1.	The test specimen shall be formed in a mold made of metal or plastic not readily attacked by the cement paste. The mold shall be sufficiently rigid to maintain the specified dimensions and tolerances during use, resistant to impact forces, and shall be non-absorbent.			
2.	Metal molds shall have an average thickness of not less than 0.060 in. [1.5 mm] with no individual thickness measurement less than 0.045 in. [1.15 mm].			
3.	Plastic molds shall be ABS plastic or equivalent with a minimum average wall thickness of 0.125 in. [3 mm], with no individual thickness measurement less than 0.100 in. [2.5 mm].			
4.	The mold shall be in the form of the lateral surface of the frustum of a cone with the base 8 in. [200 mm] in diameter, the top 4 in. [100 mm] in diameter, and the height 12 in. [300 mm]. Individual diameters and heights shall be within ± ⅛ in. [3 mm] of the prescribed dimensions.			
5.	The base and the top shall be open and parallel to each other and at right angles to the axis of the cone. The mold shall be provided with foot pieces and handles.			
6.	The mold shall be constructed without a seam. The interior of the mold shall be relatively smooth and free from projections. The mold shall be free from dents, deformation, or adhered mortar.			
Tamping Rod				
7.	A round, smooth, straight steel rod, with a $^{5}/_{8}$ in. [16 mm] ± $^{1}/_{16}$ in. [2 mm] diameter. The length of the tamping rod shall be at least 4 in. [100 mm] greater than the depth of the mold in which rodding is being performed, but not greater than 24 in. [600 mm] in overall length. The rod shall have the tamping end or both ends rounded to a hemispherical tip of the same diameter as the rod.			
Measuring Device				
8.	A ruler, metal roll-up measuring tape or similar rigid or semi-rigid length measuring instrument marked in increments of $^{1}/_{4}$ inch [5 mm] or smaller			
9.	The instrument length shall be at least 12 inch [300 mm]			
Scoop				
10.	Of a size large enough so each amount of concrete obtained from the sampling receptacle is representative and small enough so it is not spilled during placement in the mold.			

Remarks:

Date: _____ Technician: _____ IA Observer: _____

Technician's E-mail Address: _____

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