

Equipment Checklist FM 1-T 166 Bulk Specific Gravity

		P	F	N/A
Apparatus				
1.	Balance of sufficient capacity and accurate to 0.1% of mass or better. AASHTO T 166, Section 5.1; FM 1-T 166, Section 3.1; AASHTO M 231, Section 5.2, Table 2.			
2.	Suitable apparatus for suspending the sample in water from the balance. FM 1-T 166, Section 3.2.			
3.	A watertight tank equipped with an overflow outlet for maintaining a constant water level. FM 1-T 166, Section 3.3.			
4.	Water shall be clean and clear. . FM 1-T 166, Section 3.3.			
5.	Hanger and container clear the sides of water tank when in use. No reference.			
6.	Suspension wire of the smallest practical size for suspending the container. FM 1-T 166, Section 3.2.			
For Roadway Cores				
7.	Damp towel. FM 1-T 166, Section 5.1.4.			
8.	Vacuum chamber with a pump capable of evacuating a to a pressure of 6 mm Hg. ASTM D7227, Section 5.2. FM 1-T 166, Section 3.5.			
9.	Chamber large enough to accommodate specimens of 6 in. diameter and 7 in. height. ASTM D7227, Section 5.2.			
10.	Automatic vacuum, airflow and temperature control. ASTM D7227, Section 5.2.			
11.	Automatic controls of the unit shall be calibrated by the manufacturer prior to initial use. ASTM D7227, Section 5.2.			
12.	Device shall have the capability to display vacuum readings and number of cycles. ASTM D7227, Section 5.2.			
13.	Water removable plate. ASTM D7227, Section 5.3.			
14.	Electronic cold trap with an airflow divider plate. ASTM D7227, Section 5.4.			

Remarks:

Date: _____ Technician: _____ IA Observer: _____

Technician's e-mail address: _____

Employer's / supervisor's e-mail address: _____