

## Procedure Checklist

### FM 5-507 Determination of Moisture Content by means of a Calcium Carbide Gas Pressure Moisture Tester (Speedy Method)

		P	F	N/A
1.	Scale Level and stable, protected from sun, tarred before test begins.			
2.	Speedy dial on zero.			
3.	Reagent placed in body of container. Corrected amount used.			
4.	Sample thoroughly mixed, sample selected and weighed.			
5.	Sample placed in cap.			
6.	Tester held horizontally, ball inserted, cap placed.			
7.	Balls placed in orbit. Sand about 1 min Heavy clay about 3 min.			
8.	Calibration/Verification date of speedy moisture tester.			
9.	Is the speedy dial on zero before test is performed?			
10.	Is the scale tarred properly?			
11.	Speedy kit has: 2 steel balls ___ large brush ___ small brush ___ cloth ___ scoop ___ tare weights ___ hand/bull's eye level ___ wedges/sand bag ___ reagent ___ non-absorbent container with lid ___.			
12.	Procedure used: 20 gr. ___ 26 gr. ___ w/balls ___ w/o balls ___.			
13.	Correct amount of reagent?			
14.	Tester utilized correctly based on soil type?			
15.	Testing time 1 or 3 minutes? Testing time appropriate for material being tested?			
16.	Final reading taken after dial stabilized?			
17.	Readings taken while tester is horizontal at eye level?			
18.	Adjusted % moisture obtained from correct conversion chart? 1 min ___ 3 min ___			
19.	Tester cap opened away from the operator?			
20.	Sample examined for lumps?			
21.	If lumps are present, a second sample tested?			
22.	Cap and washer cleaned with cloth?			
23.	Body of tester cleaned with brush?			

**Remarks:** **Comparison Criteria N/A**

Date: \_\_\_\_\_ Technician: \_\_\_\_\_ IA Observer: \_\_\_\_\_

Technician's E-mail Address: \_\_\_\_\_

Employer's/ Supervisor's E-mail Address: \_\_\_\_\_