

Performance Examination - Soils

Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass (ASTM D2216-19)

Candidate Name:	NICET ID:		
Арра	aratus	Trial 1	Trial 2
Oven Maintains 110 ± 5 °C (230 ± 9 °F)		•	
Balance For samples 200 g or less readable to	0 0.01 g, for > 200 g readable to 0.1 g		
Water Content Containers Resistant to corros matched with a lid, if the lid is used.	sion or change in mass, uniquely identified, and		
Proce	edures	Trial 1	Trial 2
1. A representative sample of moist soil selected	ed		
2. Maximum particle size (100% passing) vs. n	ninimum sample mass		
3. Method A: No.4 – 20 g, % in. – 50g, ¾ in. –	250 g, 1.5 in – 1 kg, 3 in – 5 kg		
4. Method B: No.10 – 20 g, No.4 – 100 g, 3/8 i 1.5 in – 10 kg, 3 in – 50 kg	n. – 500 g, ¾ in. – 2.5 kg,		
5. Mass of clean, dry container plus lid (if used) determined and container ID # recorded		
6. The sample placed in a container, immediat	ely covered with lid, and weighed		
7. If water content data is to be used to calcula mass, then specimen mass up to 200 g dete	·		
8. Lid removed, a container placed in the oven	, and sample dried to constant mass		
Water content calculated to nearest 0.1 % (A following formula: % moisture = mass of water	•		
First Attempt: Pass: Fail: Seco			
Exam Administration: Remote In-Pers	son		
Comments:			
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Examiner Name: Exam	iner Signature: Da	ite:	