

**SPECIFIC GRAVITY TEST**

Date \_\_\_\_\_

Project \_\_\_\_\_

Boring No. \_\_\_\_\_

**SPECIFIC GRAVITY OF SOLIDS ( G )**

Sample or Specimen No.							
Flask No.							
Temperature of water and soil, T, C°							
Dish No.							
Weight in Grams	Dish + dry soil						
	Dish						
	Dry soil	$W_s$					
	Flask + water at, T, C°	$W_{bw}$					
	$W_s + W_{bw}$						
	Flask + water + immersed soil	$W_{bws}$					
	Displaced water, $W_s - W_{bws}$						
Correction factor	K						
$(W_s K) / (W_s + W_{bw} - W_{bws})$		$G_s$					

**APPARENT (G<sub>a</sub>) AND BULK (G<sub>m</sub>) SPECIFIC GRAVITY**

Sample or Specimen No.							
Temperature of water and soil, T, C°							
Weight in Grams	Tare + saturated surface-dry soil						
	Tare						
	Saturated surface-dry soil	B					
	(Wire basket + soil) in water						
	Wire basket in water						
	Saturated soil in water	C					
	Tare + dry soil						
	Tare						
	Dry soil	A					
Correction factor	K						
$(AK) / (A-C)$	(Apparent)	$G_a$					
$(AK) / (B-C)$	(Bulk)	$G_m$					

Remarks

Technician \_\_\_\_\_ Computed By \_\_\_\_\_ Checked By \_\_\_\_\_