

## SPECIFIC-GRAVITY TESTS

1. PROJECT		2. DATE	
3. BORING NUMBER	4. JOB NUMBER	5. EXCAVATION NUMBER	

6. SPECIFIC GRAVITY OF SOLIDS ( $G_s$ )				
FLASK CALIBRATION DATA	a. FLASK NUMBER	b. CLEAN, DRY WEIGHT, $W_b$ Grams	c. FLASK + WATER WEIGHT, $W_{bw}$ Grams	d. OBSERVED TEMPERATURE, $T_i$ ° C
e. SAMPLE OR DETERMINATION NUMBER				
D E T E R M I N A T I O N  D A T A	f. DISH NUMBER			
	g. WEIGHT OF DISH + DRY SOIL		Grams	
	h. WEIGHT OF DISH		Grams	
	i. WEIGHT OF DRY SOIL, $W_s$		Grams	
	j. WEIGHT OF FLASK + WATER + IMMERSSED SOIL, $W_{bws}$		Grams	
	k. TEMPERATURE OF WATER, $T_x$		° C	
	l. CALCULATED WEIGHT OF FLASK + WATER AT $T_x$ , $W_{bw}$		Grams	
	m. CORRECTION FACTOR FOR $T_x$ , $K$			
n. SPECIFIC GRAVITY OF SOLIDS		$G_s = \frac{W_s K}{W_s + W_{bw} - W_{bws}}$		

7. APPARENT ( $G_a$ ) AND BULK ( $G_m$ ) SPECIFIC GRAVITY				
a. SAMPLE OR SPECIMEN NUMBER				
b. TEMPERATURE OF WATER AND SOIL (° C) (must be within $23 \pm 1.7^\circ \text{C}$ )				
c. TARE + SATURATED SURFACE - DRY SOIL				
D E T E R M I N A T I O N  D A T A	d. TARE			
	e. SATURATED SURFACE - DRY SOIL, (B)			
	f. (WIRE BASKET + SOIL) IN WATER			
	g. WIRE BASKET IN WATER			
	h. SATURATED SOIL IN WATER, (C)			
	i. TARE AND DRY SOIL			
	j. TARE			
	k. DRY SOIL, (A)			
l. APPARENT SPECIFIC GRAVITY		$G_a = (A) / (A - C)$		
m. BULK SPECIFIC GRAVITY		$G_m = (A) / (B - C)$		
n. BULK SPECIFIC GRAVITY, SATURATED SURFACE DRY (SSD)		$G_m = (B) / (B - C)$		

8. REMARKS				
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9. TECHNICIAN (Signature)	10. COMPUTED BY (Signature)	11. CHECKED BY (Signature)
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