

MATERIALS AND RESEARCH
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SPECIFIC GRAVITY OF SOILS, AASHTO T-100

Soil Sample _____ Test # _____
 _____ Date Tested _____
 _____ Tested By: _____
 Boring # _____ Sample # _____
 Sample depth _____ Location _____

DETERMINATION #				
PYCNOMETER #				
WT. PYC + H ₂ O + SOIL, gms. = W ₁				
TEMPERATURE, °C, = T				
WT. PYC + H ₂ O, gms. = W ₂				
EVAPORATION DISH #				
WT. DISH + DRY SOIL, gms.				
WT. DISH, (gms)				
WT. SOIL, (gms)=W _S				
SPECIFIC GRAVITY OF H ₂ O @ T = G _T				
SPECIFIC GRAVITY OF SOIL = G _S				

$$G_s = \frac{G_T W_s}{W_s - W_1 + W_2}$$

REMARKS: