

Example:

A = 1263.7 g (dry weight)

B = 1265.1 g (SSD weight)

C = 754.8 g (weight in water)

$$\% \text{ Water Absorbed} = (B-A)/(B-C) \times 100 = (1265.1 - 1263.7)/(1265.1 - 754.8) \times 100 = 0.27\%$$

$$\text{S.G.} = A/(B-C) = 1263.7/(1265.1 - 754.8) = 2.48$$

$$\text{Density (lbs/ft}^3\text{)} = \text{S.G} \times 62.4 = 2.48 \times 62.4 = 154.8 \text{ lb/ft}^3$$