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Calculation 1. Calculate the specific gravity $G = \frac{S \text{ mass of soil}}{W, \text{ mass of equal volume of soil f12}}$ where Soil Mechanics Laboratory Manual mass of soil = W_s mass of equal volume of water, $W_w = (W_1 + W_s) - W_2$ So (3.2) Specific gravity is generally reported on the value of the density of water at 20°C.

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