

Gravimetric Soil Moisture

Materials Needed:

- Aluminum weigh-boats (Fisher # 08-732-101)
- Drying oven

Gravimetric Soil Moisture:

- Label the tins, one per sample
- Weigh empty tins
- Tare tin and add ~11-12 g wet soil into appropriate tin, record final weight
- Place samples in drying oven for 48 hours at 60°C
- Weigh dry soil plus tin

Calculation:

$$\% \text{ Moisture} = \frac{(soil_{wet} - (soil_{drysoil+tin} - tin))}{(soil_{drysoil+tin} - tin)} * 100$$