

## Gravimetric Soil Moisture

### Materials Needed:

Aluminum weigh-boats  
Sharpie  
Drying oven  
Field moist soil

### Laboratory Processing:

1. Label the weigh-boat
2. Weigh empty boat and record boat weight
3. Tare and add ~10 g wet soil, record soil weight
4. Place samples in drying oven for 48 hours at 105°C
5. Take the final weight of dry soil plus tin

### Calculation:

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