

Approved by Director: Dr. Guy Vallaro

Quarterly Maintenance for Mettler Balances

In addition to the yearly maintenance performed by an outside vendor, the Mettler balances are checked quarterly for proper functioning using a NIST traceable weight set.

Turn the balance on and verify it is level, clean, and reading zero.

Using one standard at a time, place the weight onto the balance and note the measured weight.

The measured weight must match the weight of the standard within ± 0.02 (per the manufacturer's specifications). If the difference is greater than the allowance, recalibrate the balance following the manufacturer's instructions.

Remove the standard, zero the balance, and repeat for the next standard.

The results and any calibration maintenance must be logged onto the QRM-205 sheet.