SOP: Fisher Accu 124 Balance Calibration

Approvals:
Preparer: Jason McMillan Date: 14JAN14
Reviewer: Dr. Margaret Bryans Date: 15JAN14

1. Purpose:

2. Scope:
   2.1. Applies to the weight measurement of laboratory materials.

3. Responsibilities:
   3.1. It is the responsibility of the course instructor/lab assistant to ensure that this SOP is performed as directed and to update the procedure when necessary.
   3.2. It is the responsibility of the students/technicians to follow the SOP as described and to inform the instructor about any deviations or problems that may occur while performing the procedure.

4. References:

5. Definitions: N/A

6. Precautions: N/A

7. Materials:
   7.1. Fisher Accu 124 Balance
   7.2. 100g ASTM Class 1 Standard Mass

8. Procedure:
   8.1. Internal Calibration
       8.1.1. Press the “TARE” button to zero the weight display TARING will be displayed.
       8.1.2. Press the “CALIBRATION” button. CAL will be displayed during calibration.
       8.1.3. When calibration is complete the unit will return to the measurement mode.
   8.2. External Calibration
       8.2.1. Press the “TARE” button to zero the weight display.
       8.2.2. Gently place the 100g ASTM Class 1 mass standard on the balance. Be sure to use utensils, do not use your hand.
       8.2.3. Press the “CALIBRATION” button.
       8.2.4. The display will read CAL.
       8.2.5. When calibration is complete the display will read 100g and the unit will return to measurement mode.
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9. Attachments:

Figure 1: Fisher Accu 124
Fisher Accu 124 Manual

Figure 2: Fisher Accu 124 Display
Fisher Accu 124 Manual

10. History:

<table>
<thead>
<tr>
<th>Revision Number</th>
<th>Effective Date</th>
<th>Preparer</th>
<th>Description of Change</th>
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<tr>
<td>0</td>
<td>14JAN14</td>
<td>Jason McMillan</td>
<td>Initial release</td>
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