Weight Performance Check

Expected Weight					
Weight Serial number or Identifier					
Replicate					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Replicate Average					
%Recovery					
Standard Deviation					
Coefficient of Variation					
*Acceptable for Use?					

Balance Used: _____

Analyst:_____ Date: _____
Reviewed by:_____ Date:_____
_____

Note: Any weight which is determined to be unacceptable for use will be immediately taken out of service and reported to the Unit Lead.

*Acceptability criteria % recovery, +/- 2%, SD, <1, Coefficient of Variation <3%

1. Percent Recovery: (expected value – average value)
                                    (expected value)*100

2. Standard Deviation:

$$\sigma = \sqrt{E((X - E(X))^2)} = \sqrt{E(X^2) - (E(X))^2}$$

3. Coefficient of Variation: V = (σ / average value)*100

If an excel spreadsheet is used to calculate the %Recovery, SD or Coefficient of Variation attach a copy of the spreadsheet for the reviewer.

File this completed form in the Unit Log Book for the weights.