

Weight Performance Check

Expected Weight					
Weight Serial Number or Identifier					
"As left" value from last external calibration certificate					
Traceable Report Number					
Balance used					
Replicate 1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
Replicate Average					
% Recovery ¹					
Standard Deviation					
Coefficient of Variation					
*Acceptable for Use?					

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 Supervisor and or Quality Section.

*Acceptability criteria % recovery (98-102%) SD, <1, Coefficient of Variation <3%,

Class 1 or Ultraclass weights $\leq 2\%$ of expected weight as per the last calibration certificate other classes $\leq 5\%$

1. Percent Recovery: $(\text{average}/\text{expected value}) \times 100$

¹ For expected value use "as left" value from certificate

2. Standard Deviation:

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

3. Coefficient of Variation: $V = (\sigma / \text{average value}) \times 100$

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 appropriate Unit Log Book or with the Quality Section.