

## APPENDIX E: Acceptability Criteria

Recommended Acceptability Limits for Analytical Balances - use if instrument manufacturer ranges are not available

### Laboratory Balance Calibration

Certified Weights >500g = +/- 0.5g  
Certified Weights 100 - 500g = +/- 0.1g  
Certified Weights <100g = +/- 0.01g

### Laboratory Balance Reproducibility

Reproducibility (SD) = 0.1 mg

### Laboratory Balance Linearity

Linearity = +/- 0.2 mg

### Laboratory Cornerload Tolerances

Capacity	Resolution				
	0.1g	.01g	.001g	.0001g	.00001g
30g	*	*	*	2	5
100g	*	*	2	4	10
300g	*	2	4	10	*
1000g	2	4	10	*	*

The value for each combination of balance capacity and resolution is the greatest allowable difference between the highest and lowest readings of the cornerload test weights in the most right-hand digits of the balance readout.