

## TOLERANCE WORKSHEET - RETAIL COMPUTING SCALES

Scale Info: \_\_\_\_\_ lb/oz X \_\_\_\_\_ lb/oz

Scale Capacity: _____ lb/oz	0-500d = _____ lb/oz	Maint 1 d	Accp .5 d	Electronic _____	Mechanical _____
Scale Division Value: _____ lb/oz	501-2000d = _____ lb/oz	2 d	1 d	Marked _____	Unmarked _____
No. of Scale Divisions: _____	2001-4000d = _____ lb/oz	3 d	1.5 d	Maintenance _____	Acceptance _____
Shift Test= _____ lb/oz	4001d & up= _____ lb/oz	5 d	2.5 d		

TEST LOAD DESCRIPTION	Test Load in lb / oz	Maintenance		Acceptance			
		Tol in "d"	Tol in lb / oz	Tol in "d"	Tol in lb / oz		
<b>Increasing-Load Test</b>							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Mechanical Scales:</b>                      - 1 oz or 0.05 lb                      - 3 oz or 0.15 lb                      - 7 oz or 0.45 lb                      - 15 oz or 0.95 lb                      - 1 lb                      - Test at 1-lb intervals to 1/3 cap. Include tests at 500d, 2000d (if less than 1/3 capacity)                 </td> <td style="width: 50%; vertical-align: top;"> <b>Electronic Scales:</b>                      - 20d                      - 0.5 lb                      - 1 lb                      - Test at 1-lb intervals to 5 lb**                      - Test at 5-lb intervals to 1/3 cap. Include tests at 500d, 2000d (if less than 1/3 capacity)                 </td> </tr> </table>	<b>Mechanical Scales:</b> - 1 oz or 0.05 lb - 3 oz or 0.15 lb - 7 oz or 0.45 lb - 15 oz or 0.95 lb - 1 lb - Test at 1-lb intervals to 1/3 cap. Include tests at 500d, 2000d (if less than 1/3 capacity)	<b>Electronic Scales:</b> - 20d - 0.5 lb - 1 lb - Test at 1-lb intervals to 5 lb** - Test at 5-lb intervals to 1/3 cap. Include tests at 500d, 2000d (if less than 1/3 capacity)					
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<b>Shift Test: 1/3 Scale capacity</b>							
Range of results must be within: (Applies to MARKED SCALES only)							
<b>Continue Increasing-Load Test</b>							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>Mechanical Scales:</b>                      - Test at 1/2, 3/4 and full capacity. Include tests at 500d, 2000d, 4000d, if more than 1/3 cap.                 </td> <td style="width: 50%; vertical-align: top;"> <b>Electronic Scales:</b>                      - Test at 5-lb intervals to capacity. Include tests at 500d, 2000d, 4000d, if more than 1/3 cap.                 </td> </tr> </table>	<b>Mechanical Scales:</b> - Test at 1/2, 3/4 and full capacity. Include tests at 500d, 2000d, 4000d, if more than 1/3 cap.	<b>Electronic Scales:</b> - Test at 5-lb intervals to capacity. Include tests at 500d, 2000d, 4000d, if more than 1/3 cap.					
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<b>Decreasing-Load Test</b>							
- MARKED SCALES with 1000 or more scale divisions - at 4000d, 2000d , 500d							
- UNMARKED SCALES and also MARKED SCALES with less than 1000 scale divisions - at 1/2 maximum test load							
<b>Zero-Load Balance Change</b>							

\*\* For electronic scales with less than 1000d, continue Increasing-Load Test at 1-lb intervals to capacity, including 1/4, 1/2, and 3/4 capacity.