

TENNESSEE BUREAU OF INVESTIGATION

Forensic Services Division

Forensic Chemistry Standard Operating Procedure Manual

Appendix H - Balances and Weights Catalog and Maintenance Log

APPENDIX H: TBI FCU BALANCES AND VERIFICATION WEIGHTS

H1: Nashville Inventory

H1.1 Balances

FCU ID	Manufacturer and Model	Serial Numbers
9	Ohaus DS20L	36670
13	Denver TR-4102D	T0124565
15	Mettler Toledo LYNX	5130061-5CB
18	Denver P-4002D	P4K2D095003
19	Denver P-4002D	P4K2D095005
20	Denver P-4002D	P4K2D095006
21	Denver P-4002D	P4K2D096003
22	Denver P-4002D	P4K2D096005
23*	Denver S-4002	19650285
24	Mettler-Toledo MS4002SDR	B337777830
25	Mettler-Toledo MS4002SDR	B337777829
26	Mettler-Toledo MS4002SDR	B406270185
27	Mettler-Toledo MS4002SDR	B511693104
28 (surplus)	Mettler-Toledo MS4002SDR	B511693103
29	Mettler-Toledo MS4002SDR	B407292158
30	Mettler-Toledo XS225DU	B903095311
31	Mettler-Toledo MS4002TSDR	B912410023
32	Mettler-Toledo MS4002TSDR	B912410021
33	Mettler-Toledo MS4002TSDR	B912410022
34	Mettler-Toledo MS4002TSDR	B949709045
35	Mettler-Toledo MS4002TSDR	C009047429
36	Mettler-Toledo MS4002TSDR	C037045752

H1.2 Verification Weights

Weight Type	Serial Numbers (Set 1)	Serial Numbers (Set 2)
5000g	99-10081-1	02-52210-1
2000g	07-586467	08-86995
1000g	05-228909	97-105760
200g	99-10081	04-59142
10mg to 50g set	99-J10081	44Q2



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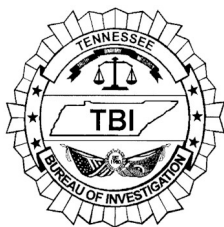
H2: Knoxville Inventory

H2.1 Balances

FCU ID	Manufacturer and Model	Serial Numbers
1	Denver P4002D	P4K2D124007
2	Denver P4002D	P4K2D124008
3	Denver P8002D	P8K2D072010
5	Ohaus D-10	25728
6	Denver P8002D	P8K2D082007
7	Denver P4002D	P4K2D124006
8	Denver P4002D	P4K2D124005
9	Denver P4002D	P4K2D124004
16	Denver P4002D	P4K2D115007
17	Denver P4002D	P4K2D076006
18	Denver P4002D	P4K2D076008
19	Denver P4002D	P4K2D076007
20	Mettler Toledo AB135-S	1129373471
21	Ohaus CD-11	0047120-6HG
24*	Denver P4002	P4K203A003
26	Mettler Toledo MS4002TSDR	B741773374
27	Mettler-Toledo MS4002TSDR	B912410024
28	Mettler-Toledo MS4002TSDR	B912410025
29	Mettler-Toledo MS4002TSDR	B912410020
30	Mettler-Toledo XS225DU	B851950995

H2.2 Verification Weights

Weight Type	Serial Numbers (Set 1)	Serial Numbers (Set 2)
5000g	07-81416-3	03-21052-1
2000g	07-81416-4	05-J12747-5
1000g	07-81416-2	04-25103
10mg to 100g set	07-81416	03-21502



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H3: Jackson Inventory

H3.1 Balances

FCU ID	Manufacturer and Model	Serial Numbers
1	Mettler Toledo XS4002SDR	B308068176
2	Mettler Toledo XS4002SDR	B308068178
3	Mettler Toledo XS4002SDR	B308068177
4	Mettler Toledo XS4002SDR	B350095401
6	Ohaus ES100L	06412566EF
7	Ohaus ES50L	0606013JGQ
8	Mettler-Toledo XS225DU	B844670961

H3.2 Verification Weights

Weight Type	Serial Numbers (Set 1)	Serial Numbers (Set 2)
5000g	B413443815	B312065198
2000g	1000088404	05-J12335-14
1000g	1000088403	01-38374
10mg to 50g set	N/A	05-J63871-1
10mg to 100g set	40016022	N/A

H4: Maintenance Schedule

All balances in use shall have weekly performance verifications in accordance with the Balances and Uncertainty chapter. Certified NIST-traceable weights that satisfy the criteria for a CRM will be used to conduct these verifications.

Weights are sent to a reputable vendor for yearly calibration on a rotating schedule. Balances are calibrated yearly on-site by a reputable vendor.

Balances marked with an (*) are not used in casework but are used to prepare non-critical reagents. These balances are subjected to the same verifications as all other balances in the FCU.