Secondary Working Weights Calibration Log

Analyst: _____ Calibration Date: 5-Jun-15

Balance: Mettler AE 160 Weights: Troemner

Balance S/N: D-66436 Weights S/N: Troemner

Location: B319E

Reference Weights: Troemner -7228-OW

Reference Weights S/N: 400012843

Note: *Analysts may only edit cells highlighted in pale yellow.*

Reference Weight Wd(g)	Weight Value Ww(g)	Standard Value Ws(g)	Corrected Weight Value (g)	Bias C (g)	Acceptable Range*	
20.0000	20.0040	20.0000	20.0000	0.0040	19.8040	20.2040
2.0000	2.0026	1.9999	1.9999	0.0027	1.9625	2.0427
100.0000	100.0094	100.0017	100.0017	0.0077	99.0093	101.0095
50.0000	50.0026	50.0006	50.0006	0.0020	49.5026	50.5026
20.0000	20.0065	20.0000	20.0000	0.0065	19.8064	20.2066
10.0000	9.9994	10.0000	10.0000	-0.0006	9.8994	10.0994
5.0000	5.0043	4.9999	4.9999	0.0044	4.9543	5.0543
2.0000	1.9974	1.9998	1.9998	-0.0024	1.9575	2.0373
1.0000	0.9998	0.9998	0.9998	0.0000	0.9798	1.0198
0.5000	0.5079	0.4998	0.4998	0.0081	0.4977	0.5181
0.2000	0.2040	0.1998	0.1999	0.0042	0.1999	0.2081
0.2000	0.1957	0.1998	0.1999	-0.0041	0.1918	0.1996
0.1000	0.1009	0.0997	0.0997	0.0012	0.0959	0.1059
0.0500	0.0527	0.0500	0.0500	0.0027	0.0501	0.0553
0.0200	0.0206	0.0197	0.0197	0.0009	0.0196	0.0216
0.0200	missing	0.0198	#VALUE!	#VALUE!	#VALUE!	#VALUE!
0.0100	0.0096	0.0096	0.0096	0.0000	0.0091	0.0101
0.0050	0.0046	0.0046	0.0046	0.0000	0.0044	0.0048

Bias C = [Ww/(Ws/Wd)] - Wd

* Weight tolerances

> 5 g	± 1%
5–0.1 g	± 2%
< 0.1 g	± 5%