

Certificate #	00206-BAL-11
Issue Date	11/15/19
Dept. Location	Wilmington

Instrument ID	AB-2
As Found	In Tolerance
As Left	In Tolerance

Calibration Performed	LTP-000004
Calibration Date	11/4/19
Next Calibration Due Date	5/4/20

Location	Wilmington	CT
Location Temperature*	63	deg F
Relative Humidity**	46	%RH
Start Time	10:17	
End Time	11:22	

Manufacturer	Mettler Toledo	
Model	New Classic M5	
Capacity	120	g
Division	0.00001	g
Level	yes	

*Laboratory temperature must be in the range of 10°C - 30C (50°F to 86°F)
 **Relative humidity shall never exceed 85%

Technician Name	Brian Vinal
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This report attests that the above stated Instrument has been calibrated with standards traceable to National Institute of Standards and Technology (NIST) within the acceptable tolerance of 0.2 mg. The calibrated reference test weights are within the span required for intended laboratory use and are not beyond the normal capacity specified above.

Increasing-Load Test

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
0.0050	0.00499	0.0000	Pass
0.1000	0.09999	0.0000	Pass
1.0000	1.00002	0.0000	Pass
20.0000	20.00000	0.0000	Pass
100.0000	99.99999	0.0000	Pass

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
0.0050	0.00498	0.0000	Pass
0.1000	0.10002	0.0000	Pass
1.0000	0.99998	0.0000	Pass
20.0000	19.99999	0.0000	Pass
100.0000	100.00005	0.0001	Pass

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
0.0050	0.00501	0.0000	Pass
0.1000	0.10000	0.0000	Pass
1.0000	0.99998	0.0000	Pass
20.0000	19.99996	0.0000	Pass
100.0000	99.99995	0.0001	Pass

Technician Signature: _____

Quality Review: _____

Decreasing-Load Test

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
100.0000	99.99994	0.0001	Pass
20.0000	19.99996	0.0000	Pass
1.0000	1.00002	0.0000	Pass
0.1000	0.10001	0.0000	Pass
0.0050	0.00496	0.0000	Pass

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
100.0000	100.00001	0.0000	Pass
20.0000	20.00010	0.0001	Pass
1.0000	1.00002	0.0000	Pass
0.1000	0.09999	0.0000	Pass
0.0050	0.00500	0.0000	Pass

Expected (g)	Actual (g)	Difference (g)	Pass/Fail
100.0000	99.99997	0.0000	Pass
20.0000	19.99998	0.0000	Pass
1.0000	0.99998	0.0000	Pass
0.1000	0.10000	0.0000	Pass
0.0050	0.00500	0.0000	Pass

		Shift Test						
	Expected (g)	Actual (g) Q1	Actual (g) Q2	Actual (g) Q3	Actual (g) Q4	Average Difference (g)	Pass/Fail	Deviation
1	20.0000	19.99999	19.99991	19.99994	20.00001	0.0000	Pass	1.80625E-09
2	20.0000	19.99999	19.99994	19.99995	20.00002	0.0000	Pass	1.22500E-09
3	20.0000	19.99998	19.99993	19.99994	20.00000	0.0000	Pass	1.40625E-09

Repeatability

g	Average	Stdev
0.0050	0.00499	1.79E-05
0.1000	0.10000	1.1690E-05
1.0000	1.00000	2.19089E-05
20.0000	20.00000	5.231316E-05
100.0000	99.99999	4.086563E-05

Technician Signature: _____

Quality Review: _____