

Analytical Scale Calibration Data Sheet



Procedure: Document 100149

	Name	Serial #	Calibration	Relavent Information	Manufacturer Repeatability Specs (std dev, measured at, g)
Mass Balance	Mettler Toledo PB3002-S	1126073990	Internal Calibration Fn	Page 11-12 of Manual	Readability: 0.01g, Repeatability (sd): 0.01g, Linearity 0.02, Max Capacity: 3100g
Calibrated Weights	Mettler Toledo	4000022672	Certificate: 01060401-1		

Mettler Toledo PB3002-S

Weighing capacity: 25 g/3100 g

Date: March 11, 2025

Calibratees: D. Ortiz Rosales, K.Chauhan

Signature: DOR, KC

25 g		
n	Reading (g)	Temp (Deg C)
1	24.98000	
2	24.99000	
3	24.97000	
4	25.01000	
5	24.98000	
6	24.98000	
7	25.00000	
8	25.02000	
9	25.02000	
10	25.00000	
Average	24.9950	
Std. Dev.	0.0178	
% RSD	0.07	
Accuracy (%)	0.02	
Variation (%)	0.0	

10 mg		
n	Reading (g)	Temp (Deg C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Average	#DIV/0!	
Std. Dev.	#DIV/0!	
% RSD	#DIV/0!	
Accuracy (%)	#DIV/0!	
Variation (%)	#DIV/0!	

50 mg		
n	Reading (g)	Temp (Deg C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Average	#DIV/0!	
Std. Dev.	#DIV/0!	
% RSD	#DIV/0!	
Accuracy (%)	#DIV/0!	
Variation (%)	#DIV/0!	

10 mg		
n	Reading (g)	Temp (Deg C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Average	#DIV/0!	
Std. Dev.	#DIV/0!	
% RSD	#DIV/0!	
Accuracy (%)	#DIV/0!	
Variation (%)	#DIV/0!	

501 mg		
n	Reading (g)	Temp (Deg C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Average	#DIV/0!	
Std. Dev.	#DIV/0!	
% RSD	#DIV/0!	
Accuracy (%)	#DIV/0!	
Variation (%)	#DIV/0!	

50 mg		
n	Reading (g)	Temp (Deg C)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
Average	#DIV/0!	
Std. Dev.	#DIV/0!	
% RSD	#DIV/0!	
Accuracy (%)	#DIV/0!	
Variation (%)	#DIV/0!	

Notes/Observations:

We measure 25g of Uranium oxide at a time to fill the ball mill jars, so we did the initial calibration check using a 20g and 5g calibration weight.