

FULL SCALE CALIBRATION AND ZERO ERROR RECORD  
( Analytical and Precision Weighing Balance )

Unit : X

Department : QC

Month and year : October 2024

Balance Code No. : Bal\_10

Capacity (gm) : 320.000

Make : METTLER TOLEDO

Model : ML203

Std. Weight Box ID. : WBI\_1

Least Count (gm) : 0.001

**Tolerance:** +/- Least count of the balance OR +/- 0.1 % of Standard weight whichever is higher and value should be rounded off on lower side as per display capacity of balance.

Standard weights for calibration (gm)		Tolerance (gm)	Accuracy Limits(Std wt +/- Tolerance) (gm)
Lower	0.020	- 0.001 + 0.002	0.019 - 0.022
Middle(1)	64.000	- 0.003 + 0.006	63.997 - 64.006
Middle(2)	160.000	- 0.004 + 0.005	159.996 - 160.005
Upper	256.000	- 0.900 + 0.008	255.100 - 256.008

**Note:** 1. Adjust zero error before commencing the weighing operation.

2. Check against standard weights on quarterly.

Date	Time	Spirit Level (Ok/ Not Ok)	Zero Error	Standard weights kept on the balance (gm)		Readings shown (gm)	Remark	Performed by	Checked By
10.10.2024	14:12	OK	Nil	Lower	0.020	0.020	Ok	Abhishek(A)	Sail(12)
				Middle(1)	64.000	64.000	Ok	Abhishek(A)	Sail(12)
				Middle(2)	160.000	160.000	Ok	Abhishek(A)	Sail(12)
				Upper	256.000	256.000	Ok	Abhishek(A)	Sail(12)

Calibration Done By: Abhishek (A)

Checked By:  
(Quality Assurance)

Date : 10.10.2024

Date :