METTLER TOLEDO

Mettler Toledo LabTec Service LabTec Im Langacher 44 8606 Greifensee N/A

Certificate Japanese Pharmacopoeia General Tests 9.62 Measuring Instruments, Appliances, "Balances and Weights"

Cus	tomer						
	Company: Sample Custome Address: Sample Address		ner	······································			
			SS				
	City:	Sample City			Contact:	N/A	
	Zip/Postal:	Sample			Order Number:	N/A	
	State/Province:	Sample State					
Wei	ghing Device)					
	Manufacturer:	Mettler Toledo			Instrument Type:	Weighing Instrument	
	Model:	XPE205DR			Asset Number:	2452354231	
	Serial No.:	20161101_1			Alternate Asset No.:	12344324234	
	Building:	GD			Terminal Model:	N/A	
	Floor:	700			Terminal Serial No.:	N/A	
	Room:	GD731			Terminal Asset No.:	N/A	
	Range Max. Capacity			Readability (d)			
	1	81 g		0.00001 g			
	2	220 g		0.0001 g			
Proc	cedure						
	Reference Document: Japanese Pharmacopoeia General Test Methods 9.6 Weighing Instruments/Equipment Scales (Balances) and Weights						
	METTLER TOLEDO	Pharmacop	Pharmacopeia Certificate WI 10000027820				
	This certificate conta	ains measurements fo	r As Found and A	As Left tests.			
	As Left Test Date: 28- Issue Date: 28-		28-May-2024				
			28-May-2024				
			28-May-2024			Service Technician	
			31-May-2025				



Summary of Results

Repeatability			As Found	As Left
Test	Smallest Net Weight	Tare Load	Assessment	Assessment
RP_SNW_0.50000g	0.50000 g	N/A	✓	✓
Accuracy			As Found	As Left
	✓	✓		

Measurement Results

Repeatability

RP_SNW_0.50000g

Report Version: 1.4.0

 Smallest Net Weight:
 0.50000 g
 Tare Vessel ID:
 N/A

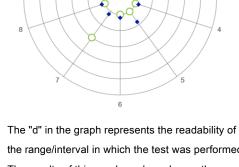
 Test Load:
 200 g
 Tare Vessel Description:
 N/A

O As Found

◆ As Left

Tare Load: N/A

	As Found	As Left
1	200.0000 g	200.0000 g
2	199.9999 g	200.0000 g
3	199.9999 g	200.0000 g
4	200.0000 g	200.0000 g
5	200.0000 g	199.9999 g
6	200.0000 g	200.0000 g
7	200.0002 g	200.0000 g
8	200.0000 g	200.0000 g
9	200.0000 g	199.9999 g
10	200.0000 g	200.0000 g



>5d

3d 2d

Mean Value	200.00000 g	199.99998 g 0.00004 g			
Standard Deviation	0.00008 g				
Calculation ¹	0.0327 %	0.0169 %			
Assessment ²	0.03 %	0.02 %			
Requirement	0.10 %	0.10 %			
Minimum Weight ³	0.16330 g	0.08433 g			

the range/interval in which the test was performed.

The results of this graph are based upon the absolute values of the differences from the mean value.

All intermediate calculations are performed in the software to 16 decimal places.

¹ The following value is calculated: 2 * standard deviation / smallest net weight. If the standard deviation s is smaller than the rounding error of 0.41*d where d is the readability of the range/interval in which the test was performed, then s is replaced by 0.41*d.

² The assessment is carried out after the calculated value is mathematically rounded to the readability of the requirement of 0.10 %.

³ Minimum weight = 2000 * s. If the calculated standard deviation s is smaller than the rounding error of 0.41*d where d is the readability of the range/interval in which the test was performed, then s is replaced by 0.41*d. In this case, minimum weight = 2000 * 0.41 * d.



Accuracy

Sensitivity

	As Found	As Left	
Test Load	200 g	200 g	
CMV	200.0000 g	200.0000 g	
Indication	200.0002 g	200.0000 g	
Deviation ¹	0.0002 g	0.0000 g	
Requirement	0.1000 g	0.1000 g	

¹ The sensitivity test is passed if the absolute value of the deviation ≤ 0.05 % of the test load value. The requirement for the assessment of sensitivity is 0.05 %. This ensures adherence to the overall accuracy requirement of 0.10 % because other balance properties might also limit the accuracy of the instrument.

Reference Weights

All weights used for metrological testing are traceable to national or international standards. The weights were calibrated and certified by an accredited calibration laboratory.

Weight Set 1: OIML E2

Weight Set No.:	E2 2013	Date of Issue:	24-Jul-2013
Certificate Number:	1234567	Calibration Due Date:	21-Jun-2025

Remarks

The user is responsible for maintaining the configuration (settings) of the balance which was used when the assessment was performed.

This document is issued to record completion of the work performed by METTLER TOLEDO on the subject device in accordance with agreed standards. It does not guarantee the continued performance of the subject device. Any measurements recorded are based on the subject device's performance at a given time as tested by METTLER TOLEDO and, except where explicitly stated otherwise, do not express an opinion as to the sufficiency of any customer designed procedures used to test the device. This document is not a warranty, either implied or express. METTLER TOLEDO expressly disclaims any liability arising from the use of the information in this document for any purpose other than as specified herein.