Certificate ID
CH4005-203-032725-USP

METTLER TOLEDO

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

Certificate USP General Chapter 41 "Balances"

Customer

Company:	Sample Customer		
Address:	Sample Address		
City:	Sample City	**Contact:**	N/A
Zip/Postal:	Sample	**Order Number:**	Costumer order no.
State/Province:	Sample State		

Weighing Device

Manufacturer:	Mettler Toledo	**Instrument Type:**	Weighing Instrument
Model:	XPR225DR	**Asset Number:**	N/A
Serial No.:	Sample SNR	**Alternate Asset No.:**	N/A
Building:	Sample Building	**Terminal Model:**	PRAT
Floor:	Floor no.	**Terminal Serial No.:**	Sample SNR
Room:	Room no.	**Terminal Asset No.:**	N/A

Range	Max. Capacity	Readability (d)
1	121 g	0.00001 g
2	220 g	0.0001 g

Procedure

Reference Document: USP General Chapter 41
METTLER TOLEDO Work Instruction: Pharmacopeia Certificate WI 10000027820

This certificate contains measurements for As Found and As Left tests.

As Found Test Date:	27-Mar-2025	**Service Technician:**	 Ambros Kohler
As Left Test Date:	27-Mar-2025		
Issue Date:	27-Mar-2025		
Next Test Date:	31-Mar-2026		

Summary of Results

Repeatability			As Found	As Left
Test	Smallest Net Weight	Tare Load	Assessment	Assessment
RP_SNW_0.05000g	0.05000 g	N/A	✓	✓
Accuracy			**As Found**	**As Left**
Sensitivity			✓	✓

Measurement Results

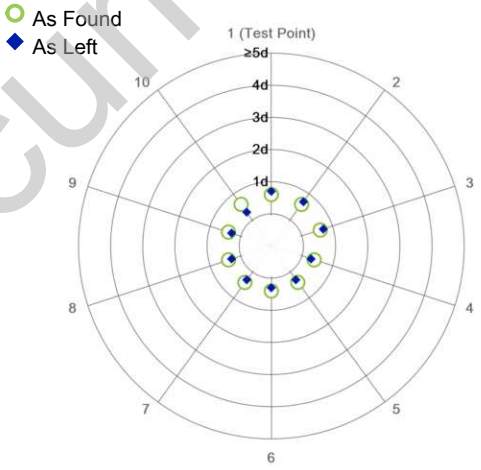
Repeatability

RP_SNW_0.05000g

Smallest Net Weight:	0.05000 g	**Tare Vessel ID:**	N/A
Test Load:	10 g	**Tare Vessel Description:**	N/A
Tare Load:	N/A		

	As Found	As Left
1	10.00001 g	9.99999 g
2	10.00001 g	9.99999 g
3	10.00001 g	9.99999 g
4	10.00000 g	10.00000 g
5	10.00000 g	10.00000 g
6	10.00000 g	10.00000 g
7	10.00000 g	10.00000 g
8	10.00000 g	10.00000 g
9	10.00000 g	10.00000 g
10	10.00001 g	10.00000 g

Mean Value	**10.000004 g**	**9.999997 g**
Standard Deviation	**0.000005 g**	**0.000005 g**
Calculation [1]	**0.0207 %**	**0.0193 %**
Assessment [2]	**0.02 %** ✓	**0.02 %** ✓
Requirement	**0.10 %**	**0.10 %**
Minimum Weight [3]	**0.01033 g**	**0.00966 g**



The "d" in the graph represents the readability of 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.

[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.

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

Accuracy

Sensitivity

	As Found	As Left
Test Load	200 g	200 g
CMV	200.0000 g	200.0000 g
Indication	199.9999 g	200.0001 g

Deviation [1]	**-0.0001 g** ✓	**0.0001 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 E_2

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.