# **METTLER TOLEDO**

## Certificate Ph. Eur. General Chapter 2.1.7 "Balances for Analytical Purposes"

#### Customer

| Company:        | Omega Pharma Manufact | curing        |          |  |
|-----------------|-----------------------|---------------|----------|--|
| Address:        | 1900 Polaris Pkwy     |               |          |  |
| City:           | Columbus              | Contact:      | John Doe |  |
| Zip/Postal:     | 43235                 | Order Number: | PO12345  |  |
| State/Province: | ОН                    |               |          |  |

#### **Weighing Device**

| Mettler Toledo        | Instrument Type:                                      | Weighing Instrument  |
|-----------------------|---|--|
| XPR205DR              | Asset Number:   | 111111111  |
| 1234567890            | Terminal Model:                                       | N/A  |
| GD                    | Terminal Serial No.:                                  | N/A  |
| 4 <sup>th</sup> floor | Terminal Asset No.:                                   | N/A  |
| GD610                 | Alternate Asset No.:                                  | EP98493211   |
|                       | XPR205DR<br>1234567890<br>GD<br>4 <sup>th</sup> floor | XPR205DRAsset Number:1234567890Terminal Model:GDTerminal Serial No.:4th floorTerminal Asset No.: |

| Range | Max. Capacity | Readability (d) |
|-------|---------------|-----------------|
| 1     | 81 g          | 0.00001 g       |
| 2     | 220 g         | 0.0001 g        |

#### Procedure

Reference Document: METTLER TOLEDO Work Instruction: Ph. Eur. General Chapter 2.1.7 Pharmacopeial Certificate WI 10000027820

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

The sensitivity of the weighing instrument was adjusted before the As Left tests.

| As Found Test Date: | 28-FEB-2021 | Service Technician: | le Cous Di Fride |
|---------------------|-------------|---------------------|------------------|
| As Left Test Date:  | 28-FEB-2021 |                     | Klaus Fritsch    |
| Issue Date:         | 28-FEB-2021 |                     |                  |
| Next Test Date:     | 28-FEB-2022 |                     |                  |
|                     |             |                     |                  |

Software Version: 5.0 Report Version: 1.0 Form Number: 123

## **Summary of Results**

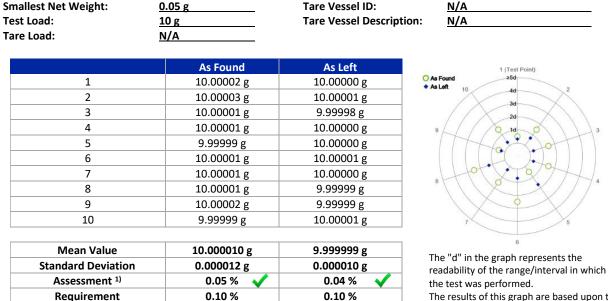
| Repeatability |                     |           | As Found  | As Left  |
|---------------|---------------------|-----------|---|--|
| Test          | Smallest Net Weight | Tare Load | Assessment  | Assessment   |
| RP_SNW_0.05g  | 0.05 g              | N/A       | <ul> <li>Image: A set of the set of the</li></ul> | <ul> <li>Image: A start of the start of</li></ul>  |
| Accuracy      |                     |           | As Found  | As Left  |
| Sensitivity   |                     |           | <ul> <li>Image: A set of the set of the</li></ul> | <ul> <li>Image: A second s</li></ul> |

## **Measurement Results**

### Repeatability

### Repeatability Test RP\_SNW\_0.05g

Minimum Weight<sup>2)</sup>



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

 $^{1)}$  The repeatability test is passed if 2 \* standard deviation / smallest net weight  $\leq$  0.10 %. If the calculated standard deviation results in a value 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 the standard deviation is replaced by 0.41\*d for the assessment.

0.01989 g

0.02494 g

 $^{2)}$  Minimum weight = 2000 \* standard deviation. If the calculated standard deviation results in a value 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 the standard deviation is replaced by 0.41\*d. In this case, minimum weight = 2000 \* 0.41 \* d.

All calculations are performed in the software to 16 decimal places, however the printed results are rounded according the following rules: The standard deviation is rounded mathematically to one digit further than the readability of the range/interval in which the test was performed. The minimum weight is rounded mathematically to three significant figures. For the repeatability assessment, the printed result of the formula (2\*standard deviation / smallest net weight) or (2 \* 0.41\*d / smallest net weight, respectively) is rounded mathematically to the same readability as the repeatability requirement (0.10%), i.e. with two digits after the decimal when presented as a percentage.

### Accuracy

### Sensitivity

|                         | As Found       | As Left      |  |
|-------------------------|----------------|--------------|--|
| Test Load               | 200 g          | 200 g        |  |
| CMV                     | 200.0001 g     | 200.0001 g   |  |
| Indication              | 199.9996 g     | 200.0002 g   |  |
|                         | *              |              |  |
| Deviation <sup>1)</sup> | - 0.0005 g 🛛 🗸 | 0.0001 g 🗸 🗸 |  |
| Requirement             | 0.1000 g       | 0.1000 g     |  |

<sup>1)</sup> The sensitivity test is passed if the absolute value of the deviation  $\leq 0.05$  % 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<sub>2</sub>

| Weight Set No.:     | WS12345_E2 | Date of Issue:               | 04-JAN-2021 |
|---------------------|------------|------------------------------|-------------|
| Certificate Number: | 34567890   | <b>Calibration Due Date:</b> | 03-JAN-2023 |

### Remarks

N/A