

Calibration Certificate of Weighing Scale Device

Device Under Test Details.

Customer Name ALFAYHAA PHARMACEUTICAL INDUSTRIES	Certificate No. 220302ANK02
Eq. No./Code No. PR / I / 0140	WO No./PO No. N/A
Description Digital Weighing Scale	Measuring Range 0 – 150 kg
MFG (OEM) KERN	Verification Class (III)
Admissible Temp. 0 – 40 ° C	Readability 10 g
Type / Model No. KXS-TNM	Issue Date 2-Mar-2022
Serial No. WX20001096	Due Date 1-Mar-2023

Used Reference Means Details.

Description No.1 Stainless Steel Standard Weight	Measuring Range 500 g = 0.5 kg
Serial No. W631	Code 18
OIML Class F2	Uncertainty ± 0.3 mg
Description No.2 Cast-iron Rectangular Standard Weight	Measuring Range 25 kg
Serial No. 26, 27,	Code 111,112
OIML Class M2	Uncertainty ± 29.0 mg
Description No.3 Cast-iron Rectangular Standard Weight	Measuring Range 20 kg
Serial No. 21, 22, 23, 24, 25	Code 201, 202, 203, 204, 205
OIML Class M2	Uncertainty ± 13.0 mg

Calibration Results:

As per customer approval; The device under test was calibrated up to the selected scale which did not exceed the Original Equipment Manufacture (OEM) recommendations according to used standard calibration method, and the following gives the under test readings:

Under Test Readings		Reference Mean Readings		Relative Error		Error Span	Uncertainty
Nominal Values	Equivalent Values	Center Position	Corners Average	Center Position	Corners Average		
(kg)	(g)	(g)	(g)	(g)	(g)	± (g)	± (g)
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.5	500.00	499.55	499.15	-0.45	-0.85	0.85	5.97
20.0	20000.00	19997.46	19994.99	-2.54	-5.01	5.01	5.97
40.0	40000.00	39999.45	39998.99	-0.56	-1.01	1.01	5.97
60.0	60000.00	59997.50	59995.00	-2.50	-5.00	5.00	5.97
100.0	100000.00	99997.48	99995.02	-2.52	-4.98	4.98	5.97
120.0	120000.00	119995.00	119995.51	-5.00	-4.50	5.00	5.97
150.0	150000.00	149997.45	149994.93	-2.55	-5.08	5.08	5.97

Calibration Mode: Center & Corners

Ambient Temp.: (24.6) ± 0.4 ° C

Ambient Humidity: (30.7) ± 5 %

As Received Condition: Used & out of allowable tolerance

As Left Condition: In allowable tolerance & accepted

Final Results:

- The calibrated device error span was found in the allowable tolerance of the maximum permissible error at the time it had been calibrated.
- The calibrated device has been inspected and found in specifications at the time it had been calibrated.

- Employing Test Method: OIML R76-1 Ed.2006 (E).
- This test and included adjustments has been performed through a comparison of reference values against the corresponding readings of unit under test.
- This test was carried out in compliance with ISO/IEC 17025 Ed: 2017 requirements.
- The expanded uncertainty evaluation includes the used reference mean and the device under test.
- The expanded uncertainty is calculated in accordance with ISO "Guide to the Expression of Uncertainty in Measurement" (GUM).
- The expanded uncertainty is calculated by using a coverage factor K = 2, providing a level of confidence of approximately 95 %.
- The reference mean used in this test is traced to SI units through traceability to primary standards maintained in National Institute of Standards Technology (NIST).
- This certificate may not be reproduced other than in full by photographic process.
- This certificate refers only to the particular item submitted for testing.
- This certificate is valid only with signatures and third party Co. stamp.

Calibrated By:

Name: Ahmed Abojeq

Signature: 

Reviewed By:

Name: Abdelrahman Nasr

Signature: The email of the employer of persons authorized to issue this certificate: info@vision-p-s.comFor more information about other services: Mobile : ± 964 0780 777 6662 / 0780 777 6664 | E-Mail : services@vision-p-s.com | Web site : www.vision-p-s.com

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