VISION PETROLEUM SERVICES

ISO 9001 | ISO 45001 | ISO 14001

CERTIFIED ISO 17025 COMPANY

Calibration Certificate of Weighing Scale Device

Device Under Test Details.

Customer Name	ALFAYHAA PHARMACEUTICAL INDUSTRIES	Certificate No.	220302ANK01
Eq. No./Code No.	**PR / I / 0141**	WO No./PO No.	N/A
Description	Digital Weighing Scale	Measuring Range	0 – 60 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.	**WX20001114**	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	499.00	498.25	-1.00	-1.75	1.75	5.97
10.0	10000.00	9998.02	9994.88	-1.99	-5.13	5.13	5.97
20.0	20000.00	19997.87	19995.77	-2.13	-4.24	4.24	5.97
40.0	40000.00	39997.75	39994.65	-2.25	-5.35	5.35	5.97
50.0	50000.00	49997.44	49993.91	-2.56	-6.09	6.09	5.97
60.0	60000.00	59996.30	59993.91	-3.70	-6.10	6.10	5.97

Calibration Mode: Center & Corners	Ambient Temp.: (24.2) ± 0.4 ° C	Ambient Humidity: (30.1) ± 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 Abojeb
Signature: .....

Reviewed By:
Name: Abdelrahman Nasr
Signature: .....

VISION PETROLEUM SERVICES

The email of the employer of persons authorized to issue this certificate: info@vision-p-s.com

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