CALIBRATION CERTIFICATE

No. 01-2025-FORC-0013

Date of Calibration	:	**February 24, 2025**
Calibration Item	:	**Axle Weighing Scale**
Capacity	:	**15 000 kgf**
Measurement Range	:	**0 kgf to 15 000 kgf**
Resolution	:	**50 kgf**
Make / Model	:	**APOLLO / AW565;**
Serial No.	:	**A386856**
Customer	:	**TOTAL INNOVATIVE SECURITY SOLUTIONS INC.**
		No. 4 Malaya Street Malanday
		Marikina, Eastern Manila District, NCR

MEASUREMENT RESULTS:

Applied Force	Indicated Force	Deviation (Indicated Force - Applied Force)	Relative Expanded Uncertainty	Relative Accuracy Error
kgf	kgf	kgf	%	%
0.00	0.00	0	0.00	0.00
3 000	2 900	-100	1.02	3.45
6 000	5 900	-100	0.54	1.69
9 000	8 950	-50	0.40	0.56
12 000	12 000	0	0.34	0.00
15 000	15 000	0	0.31	0.00

UNCERTAINTY OF MEASUREMENT:

The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor $k = 2$. It has been determined in accordance with the "JCGM 100:2008 Evaluation of measurement data- Guide to the expression of uncertainty in measurement". The value of the measurand lies within the assigned range of values with a probability of approximately 95%.

STANDARD USED :

Name of Standard	Make/Model	Calibration Certificate No.	Traceability
Force Measuring Instrument SN 1251056K0094	Shimadzu/ UH-F1000kNX	11-2020-FORC-0116	Traceable to the SI through NMD-ITDI

CALIBRATION PROCEDURE:

The axle weighing scale was subjected to specified force values in comparison with force standard values. Three (3) series of increasing force values were applied to the axle weighing scale.

The relevant references for this axle weighing scale calibration are the TP-S3-FORC-02: "Calibration of Axle Weighing Scales".

ENVIRONMENTAL CONDITIONS:

Ambient Temperature : (22 ± 2)
Relative Humidity : (41 ± 5)

REMARKS:

- The above results were those obtained at the time of calibration and refer only to the force measuring instrument (axle weighing scale) calibrated in static compression mode.
- No adjustment was performed on the axle weighing scale. The user should determine suitability of the axle weighing scale for its intended use.

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Date issued: _____

-End of Report-