



NATIONAL METROLOGY LABORATORY OF THE PHILIPPINES

Providing International Traceability to Measurements in the Country

CALIBRATION CERTIFICATE

No. 05-2022-FORC-0132

Date of Calibration : December 19, 2024
Calibration Item : Tensile Testing Machine
Capacity : 100 lbf
Measurement Range : 0 lbf to 90 lbf
Resolution : 0.01 lbf
Make / Model : Yuelian / STS-100kg
Serial No. : J974953; 14143 (Indicator)
Customer : MANILA CORDAGE COMPANY
No. 116 Progress Ave., Carmelray Industrial Park I
Canlubang, Calamba City, Laguna

MEASUREMENT RESULTS:

Applied Force	Indicated Force	Relative Expanded Uncertainty	Relative Measurement Error	Relative Repeatability Error
lbf	lbf	%	%	%
0.0	0.0	0.00	0.00	0.00
20.0	20.2	0.89	-1.12	1.37
40.0	40.4	0.16	-1.11	0.22
60.0	60.7	0.12	-1.18	0.16
80.0	81.0	0.39	-1.21	0.63
90.0	91.1	0.31	-1.19	0.49

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%.