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:

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

ERTAINTY 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%.

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