



UGANDA NATIONAL BUREAU OF STANDARDS

CERTIFICATE OF LABORATORY RECOGNITION

Certificate No: UNBS/LRS/0024

This certificate is valid as per the scope stated in the accompanying schedule of recognition, Annex "A" which is an integral part of the present certificate bearing the above recognition number for

CALIBRATION OF MEASURING EQUIPMENT

In accordance with the recognised International Standard **ISO/IEC 17025:2017**

Being supplied to

KEANE ENGINEERING TECHNOLOGIES LIMITED

Musana Plaza, Ntinda – Kisaasi road,
P. O. Box 34877, Kampala, Uganda.

The recognition demonstrates technical competence and the operation of a laboratory quality management system to perform the tests as described in the Annex. While this certificate remains valid, the recognised laboratory above is authorised to use the relevant UNBS recognition number to issue facility reports and /or certificates.

Recognition Decision Date: 2021-05-27
Date of original issue: 2021-05-27
Certificate Issue No: 01

Effective Date: 2021-05-27
Expiry date: 2024-05-26
Certificate Issue date: 2021-05-27

Executive Director
UGANDA NATIONAL BUREAU OF STANDARDS



ANNEX A

SCHEDULE OF RECOGNITION – CALIBRATION LABORATORIES

| Facility Number | UNBS/LRS/0024 | S/N | Technical Signatories | Measurement Quantity/ Calibration Field |
|--|---|---|---|---|
| KEANE ENGINEERING TECHNOLOGIES LIMITED P.O.Box 34877 Level 4, Suit F12, Musana Complex, Ntinda-Kisaasi Road, Kampala | | 1. | Eric Kalende | Pressure, Temperature, Force and Mass |
| | | 2. | David Ssegulani | Pressure, Temperature, Force and Mass |
| | | 3. | Hadadi Sseviri | Pressure, Temperature, Force and Mass |
| Measurand/ Equipment | Range of Measurement or Nominal Size of the Equipment | Calibration and Measurement Capability (CMC) expressed as Uncertainty (\pm) | Method/Procedure | |
| CALIBRATION FIELD – PRESSURE | | | | |
| Blood pressure machine, | -30 to 1200 bar | $\pm 0.05\%$ | EURAMET cg-17 Version 4.0 EURAMET cg-3 Version 1.0 | |
| Pressure Gauges, | -30 to 1200 bar | $\pm 0.05\%$ | EURAMET cg-17 Version 4.0 EURAMET cg-3 Version 1.0 | |
| Differential Pressure Gauges | -30 to 1200 bar | $\pm 0.05\%$ | EURAMET cg-17 Version 4.0 EURAMET cg-3 Version 1.0 | |
| Magnetic Pressure Gauges | -30 to 1200 bar | $\pm 0.05\%$ | EURAMET cg-17 Version 4.0 EURAMET cg-3 Version 1.0 | |
| Pressure Transmitters | -30 to 1200 bar | $\pm 0.05\%$ | EURAMET cg-17 Version 4.0 EURAMET cg-3 Version 1.0 | |
| CALIBRATION FIELD-TEMPERATURE | | | | |
| Thermometers | -80 °C to +1200 °C | ± 0.48 °C | EURAMET cg-11 ASTM E2847 NIST 819 | |
| Liquid Baths | -80 °C to +250 °C | ± 0.48 °C | EA-10/11-02:2002, ASTM | |
| Autoclaves & Sterilizers | +100 °C to +150 °C | ± 0.48 °C | BS 2646-3:1993 | |
| RTDs | -100 °C to +1750 °C | ± 0.8 °C | EURAMET cg-11 Version 2.0 | |
| T/C Controllers | -100 °C to +1600 °C | ± 1.5 °C | EURAMET cg-8 | |

| | | | |
|---|----------------------------|----------|--|
| Chambers: Refrigerators, Freezers, Ovens, Incubators, Cold rooms | -80 °C to +750 °C | ±0.48 °C | DKD-R5-7 EURAMET cg-20 Version 5.0 |
| Furnaces | +100 °C to +1000 °C | ±0.88 °C | ASTM A991/A991M-17 |
| CALIBRATION FIELD - FORCE | | | |
| Compression Testing Machine, CBR, Marshia testers, Proving Rings | 0 to 3000KN | ±0.69% | ASTM E74 ISO 7500-1 ISO 376:2011 |
| CALIBRATION FIELD - VOLUME & FLOW | | | |
| Pipettes, Burettes & Glass ware | 1µl to 200ml | ±0.012ml | ISO 8655 – 6:2002 |
| Flow meters | 0.0001m3/hr to 100000m3/hr | ±0.25% | ISO 12242:2012 |
| CALIBRATION FIELD - MASS | | | |
| Automatic Weighing scales | 1mg to 80 tonnes | ±0.12Kg | OIML R111 OIML R 76 |
| Non-Automatic Weighing Scales | 1mg to 25000kg | ±0.12Kg | EURAMET cg-18 Version 4.0 |
| F1 Weights | 1mg to 20kg | ±0.07mg | OIML R111-1 |
| F2 Weights | 1mg to 50kg | ±0.17mg | OIML R111-1 |
| M1, M2 & M3 Weights | 1kg to 200kg | ±0.12g | OIML R111-1 |

ISSUED BY THE UGANDA NATIONAL BUREAU OF STANDARDS



Manager Certification Department