KENAS Delivering Trust | KENYA ACCREDITATION SERVICE

P. O. Box 47400 – 00100 | TEL. +254 - 20 484 0000 | Nairobi, Kenya

Email: info@kenas.go.ke | Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION

KEANE ENGINEERING TECHNOLOGIES LIMITED

ISO/IEC 17025:2017

Calibration Laboratory Number: **KENAS/CL/037**

PERMANENT ADDRESS OF LABORATORY

P.O. BOX 34877, KAMPALA-UGANDA

ODUR LANE ALONG KIWATULE ROAD.

NEXT TO ELIANA HOTEL ENTRANCE

Tel. No. +256 700 602 015/ +256 779 489 504

E-MAIL : info@keaneengineering.co.ug

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Laboratory Contact Person:

Eric Kalende

Technical Signatories:

1. Eric Kalende – Mass/Vol/Pres/Temp/Force
2. David Ssegulani – Mass/Vol/Pres/Temp/Force
3. Sseviri Hadadi – Mass/Vol/Pres/Temp/Force
4. Deborah Adongo-Mass/Vol/Pres/Temp/Force

Expiry Date: 29-September-2027

Approved by: _____ Date: 7-November-2025

KENAS ~~CEO~~/ Authorized Representative

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SCHEDULE OF ACCREDITATION – KEANE ENGINEERING TECHNOLOGIES LIMITED

1.0 Calibration Field: Mass

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Non-automatic weighing scales	Mass	EURAMET cg-18 V4.0	Mass Standard Class E2 **Traceability:** 1mg-200 mg: SCW-0421-076, and 100 g & 200 g: SCW-0421-077	up to 300 g	6.0 · 10-6	KET Laboratory and Client Sites
			Mass Standard Class F1 **Traceability:** 1mg-2kg: SCW-0421-075	1mg to 5kg	8.0 · 10-5	
			Mass Standard Class F1 **Traceability:** 5 kg: - 10 kg: - 20kg: -	Up to 30kg	9.0 · 10-5	
			Mass standard Class M1 **Traceability:** 1 kg to 1000 kg: -	up to 1000kg	6.0 · 10-4	
Mass Pieces	Mass	OIML R111	Mass Standard Class E2 **Traceability:**	class F1 1mg to 5mg	0.006mg	KET Laboratory and Client Sites
				class F1 10mg	0.008mg	
				class F1 20mg	0.010mg	
				class F1 50mg	0.012mg	

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
			1mg-200 mg: SCW-0421-076, and 100 g & 200 g: SCW-0421-077	class F1 100mg	0.015mg	
				class F1 200mg	0.020mg	
				class F1 500mg	0.025mg	
				class F1 1g	0.03mg	
				class F1 2g	0.04mg	
				class F1 5g	0.05mg	
				class F1 10g	0.06mg	
				class F1 20g	0.08mg	
				class F1 50g	0.1mg	
				class F1 100g	0.15mg	
				class F1 200g	0.3mg	
Mass Pieces	Mass	OIML R111	Mass Standard Class F1 Traceability: 1mg – 2 kg: SCW-0421-075 5 kg: - 10 kg: -	Class F2 1mg to 5mg	0.02mg	KET Laboratory and Client Sites
				Class F2 10mg	0.025mg	
				Class F2 20mg	0.03mg	
				Class F2 50mg	0.04mg	
				Class F2 100mg	0.05mg	
				Class F2 200mg	0.06mg	
				Class F2 500mg	0.08mg	
				Class F2 1g	0.10mg	
				Class F2 2g	0.12mg	
				Class F2 5g	0.16mg	
				Class F2 10g	0.20mg	
				Class F2 20g	0.25mg	

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
				Class F2 50g	0.3mg	
				Class F2 100g	0.5mg	
				Class F2 200g	1.0mg	
				Class F2 500g	2.5mg	
				Class F2 1kg	5.0mg	
				Class F2 2kg	10mg	
				Class F2 5kg	25mg	
				Class F2 10kg	100mg	
Mass Pieces	Mass	OIML R111	Mass Standard Class F1 **Traceability:** 2 kg: SCW-0421-075 5 kg: - 10 kg: - 20 kg: -	class M1 1 kg	0.05g	KET Laboratory and Client Sites
				class M1 2 kg	0.1g	
				class M1 5 kg	0.25g	
				class M1 10 kg	0.5g	
				class M1 20 kg	1g	

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2.0 Calibration Field: Temperature

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Laboratory Electrically heated and Cooling Liquid Baths.	Temperature	EA-10/11-02:2002, ASTM	a)4-channel thermocouple indicator and simulator, S/no Z353389, model SDL,200 Temperature range: 50° C to 1750° C **Traceability:** BS/MET/4/3/113/116 BS/MET/4/3/113/116 b) Thermocouple sensors KET/01, KET/02, KET/03 c) 8- channel Thermocouple indicator and logger model AT44208 **Traceability:** BS/MET/4/3//116/017 TNC/1421/11-20 N/421/11-20	-80° C to 250° C.	±0.48°C	KET laboratory & clients sites
Liquid in Glass, thermometers, Digital thermometers, Dial gauge thermometers. and Infra-red thermometer and all self-indicating thermometer	Temperature	EURAMET/cg-11 ASTM E2847 NIST 819	a) 4-channel thermocouple indicator and simulator, S/no Z353389, model SDL,200, manual Extech – Temperature range: 50° C to 1750° C **Traceability:** BS/MET/4/3/113/116 BS/MET/4/3/113/116 b) Thermocouple sensors KET/01, KET/02, KET/03 c) 8- channel Thermocouple indicator and logger model AT44208 **Traceability:** BS/MET/4/3//116/018 BS/MET/4/3//116/019 TNC/1421/11-20	Temperature range: -80° C to 1200° C	±0.48°	KET laboratory & clients sites

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Incubators Drying Ovens, Refrigerators Freezers, Cold rooms and refrigerated container Humidity Chamber	Temperature/ Humidity	DKD-R5-7 FIRAMET/ EURAMET/ cg-20 v5.0	a) 4-Channel Thermocouple indicator and Simulator, S/No. 2353389, Model SDL 200 Temperature range: -50C to 1750° C **Traceability:** BS/MET/4/3/113/116 b) Thermocouple sensors KET/01, KET/02, KET/03 c)8-channel Thermocouple indicator and logger model AT44208 d) Thermo-hygrometer Data logger Extech RHT20 **Traceability:** BS/MET/4/3//116/017 BS/MET/4/3//116/018 BS/MET/4/3//116/019 TNC/1421/11-20	-80° C to 750°C	±0.48°C	KET laboratory & clients sites
Electrically heated and pressurized Laboratory Sterilizers and Autoclaves	Temperature	BS 2646-3:1993	a) 4-Channel Thermocouple indicator and Simulator S/No. Z353389, Model SDL 200, Temperature range: -50°C to 1750°C **Traceability:** BS/MET/4/3/113/116 b) Thermocouple sensors KET/01, KET/02. KET/03 **Traceability** BS/MET/4/3//116/017 BS/MET/4/3//116/018 BS/MET/4/3//116/019	100° C to 150° C.	±0.48°C	KET laboratory & clients sites
Electrically heated Laboratory Furnaces	Temperature	ASTM A991/A991M-17	a) 4-Channel Thermocouple indicator and Simulator . S/No. 7353389. Model SDL 200, Temperature range -50°C to 1750°C **Traceability:** BS/MET/4/3/113/116	100°C to 1000°C	±0.48°C	KET laboratory & clients sites

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Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
			b) Thermocouple sensors KET/01, KET/02, KET/03 **Traceability:** BS/MET/4/3//116/017 BS/MET/4/3//116/018 BS/MET/4/3//116/ 019			
RTD temperature readers, controllers, Recorders & Indicators	Temperature	EURAMET/cg-11V2.0	Multifunction Process Calibrator. S/No.2742037 Model No754 **Traceability No** 99490-10	-100°C to 1750°C	±0.8°C	KET laboratory & clients sites
Thermocouple temperature readers, controllers, recoders & indicators	Temperature	EURAMET/cg-8	Multifunction Process Calibrator. S/No.2742037 **Traceability No** 99490-10 Temperature range -50° C to 1750° C	-100°C to 1600°C	±1.5°C	KET laboratory & clients sites

3.0 Calibration Field: Pressure

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Bourdon tube pressure gauges, Pressure transducers Pressure Balances (Only at KET laboratory) Differential Manometers	Pressure	EURAMET Cg 17 Version 4.0 EURAMET cg-3 V1.0	Sino Instruments Reference Digital Pressure manometer HS108, Serial 1905020190 Differential Digital Manometer: GM510, HE2517981 **Traceability:** BS/MET/5/3/77/74 BS/MET/5/3/77/74	-3MPa to 120Mpa (0 to 1200 bar)	±0.05%	KET laboratory & client's sites

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4.0 Calibration Field: Force

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Compression testing machines, Load rings CRR, Marshal testers, Rebound hammers	Force	ASTM E74 ISo7500-1 ISO 376:2011	Load cell, SMOWO, C7191128A103430 Load ring, Baker, 236 **Traceability:** BS/MET/3/3/54/070 BS/MET/3/3/54/071	0-3000kN	±0.69%	KET laboratory & clients sites

5.0 Calibration Field: Volume

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Pipettes	Mass	ISO 8655-6:2002	Micro-balance S/No 121452959 **Traceability:** BS/MET/2/3/92/006 E2 Mass Reference number SCW-0219-045 **Traceability:** BS/MET/2/3/92/006	1µl to 200ml	±0.012mg	KET laboratory & clients sites
Glass ware Prover tanks	Mass	EURAMET cg-19 V.30.0 and NIST SOP Prover tanks 1	Mass comparator balance MC10K **Traceability:** LSL/01/20/392	200 ml to 500 l	±0.0012 l	KET laboratory & clients sites
Tanks	Volume	ISO 8222:2020 & EURAMET Calibration guide NO.21 Version 2.0 05/202	Prover Tanks 50L S/No:50 **Traceability** BS/MET/8/3/59/072	5 l to 500,000 l	±0.30%	KET laboratory & clients sites
Flow meters	Volumetric Flow	ISO 12242:2012	Clamp on Ultrasonic Flow meter Model:TDS-100H SN:81978843H **Traceability:** BS/MET/8?3/70/131	0.0001 m^3/hr to 100000 m^3/hr	±0.25%	KET laboratory & clients sites

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*The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor k = 2, corresponding to a confidence level of approximately 95%.

Accreditation History

Type	Decision Date	Effective Date	Expiry
Initial Accreditation	30-Sep-2019	30-Sep-2019	29-Sep-2023
1st Re-Accreditation	27-Jul-2024	30-Sep-2023	29-Sep-2027

This schedule is issued subject to the terms and conditions of KENAS Accreditation. It supersedes any other schedule(s) issued in the past

Approved by: _____

KENAS ~~CEO~~/ Authorized Representative

Date: 7-November-2025