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

IDEAL QUALITY TRAIL SYSTEMS LIMITED

ISO/IEC 17025:2017

Testing Laboratory Number: **KENAS/CL/027**

PERMANENT ADDRESS OF LABORATORY

P. O. BOX 62689-00200 NAIROBI, KENYA

KITENGELA, MILIMANI-AMANI DRIVE ROAD

Tel: +254 724994079, +254 734077479, 020 2587291

Email: idealqualitysytems@gmail.com

Technical Director:

Cornelius Kuria

Technical Signatories:

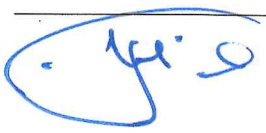
1. Cornelius Kuria - Mass/Pressure/Temp/Vol
2. Kelvin Musyoka - Pressure
3. Emmanuel Toroitich -Temperature
4. Polycarp Abuga - Volume
5. Ian Chege Muthoni - Mass

Expiry Date: 14-August-2027

Approved by: 

KENAS ~~CEO~~/ Authorized Representative

Date: 05-Novermber-2025



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SCHEDULE OF ACCREDITATION – IDEAL QUALITY TRAIL SYSTEMS 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 balances	Mass (1 mg to 10kg)	**Reference Method:** EURAMET Calibration Guide 18 v4:2015; OIML R76	OIML CLASS F1 **Traceability:** KEBS/MET/02/03/02/614 (1 mg – 5 kg) KEBS/MET/02/03/02/615 dated 2023-06-07 (10 kg)	1 mg to 10 kg	$\pm 9.5 \cdot 10^{-5}$kg	Ideal Quality Trail Calibration Laboratory
	Mass (1 g to 1000kg)		OIML Class M2 **Traceability:** KEBS/MET/02/03/02/613 dated 2023-06-07 (5 kg - 20 kg; Capacity: 1000 kg)	5kg to 1000 kg	$\pm 7.0 \times 10^{-4}$kg	

2.0 Calibration Field: Temperature

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)± expanded uncertainty)	Calibration Site
Water / Oil / Alcohol Baths	Temperature	**Internal Method:** IQTS/P/OP/01/1 **Reference Method:** EURAMET cg-11 Version 2.0 (03/2011 EA-4/02 M:2022 Technical Manual BS 2648 :1956 Technical Manual	i) Multifunction Process indicator, S/N.I.247299(CE-001), Model: TM 924L, Manuf. CHINA **Traceability:** BS/MET/4/3/132/138 -Temperature range: -50° C to 1750° C. ii) Thermocouple Sensors, -S/no. CE-014&019, Model no. TCK /Type K **Traceability:** BS/MET/4/3/132/139 & 140. Temperature range: -40° C to 450° C	-40°C to 350°C	±1.0° C	Ideal Quality Trail Calibration Laboratory

Ovens / Incubators /Refrigerators/ Freezers	Temperature	**Internal Method:** IQTS/P/OP/01/3 **Reference Method:** EA-4/02 M:2022 Technical Manual BS 2648 :1956 Technical Manual	i) Multifunction Process indicator, S/N.I.247299(CE-001), Model: TM 924L, Manuf. CHINA **Traceability:** BS/MET/4/3/132/138 -Temperature range: -50° C to 1750° C. ii) Thermocouple Sensors, -S/no. CE-014&019, Model no. TCK /Type K **Traceability:** BS/MET/4/3/132/139 & 140. Temperature range: -40° C to 450° C	-40°C to 350°C	±5.0°C	Ideal Quality Trail Calibration Laboratory
Non-contact & Contact Thermometers (Liquid in Glass, Metallic & Digital thermometers)		**Internal Method:** IQTS/P/OP/01/2 **Reference Method:** EA-4/02 M:2022 OIML R 133 Technical Manuals	i) Dry Block Calibrator S/No. 06031928257 Model no. ET 2501-150A Man. CHINA **Traceability:** BS/MET/4/3/132/141 of 2023-06-20 -Temperature range: -20° C to 150° C ii)) PRT 100 -Sensors a)-S/no. 020 & 021, Model PT100 IQTST/1L/IQTS/23/016 &017 of 2023-06-23 **Traceability:** IQTST/1L/IQTS/23/016 of 2023-06-23 Temperature range: -40° C to 400° C. b)S/no. 34853/14, Model PT100 **Traceability:** IQTST/1L/IQTS/23/017 of 2023-06-23 Temperature range: -40° C to 400° C.	-20°C to 150°C	±1.0°C	Ideal Quality Trail Calibration Laboratory
Electrically heated furnaces	Temperature	**Internal Method:** IQTS/P/OP/01/5 **Reference Method:** EA-4/02 M:2022 Technical Manual BS 2648 :1956 Technical Manual	Multifunction Process indicator, S/N.I.247299(CE-001), Model: TM 924L, Manuf. CHINA **Traceability:** BS/MET/4/3/132/138 -Temperature range: -50° C to 1750° C.	400°C to 1000°C	±25°C	Ideal Quality Trail Calibration Laboratory

Electrically heated autoclaves and sterilizers chambers		**Internal Method:** IQTS/P/OP/01/4 **Reference Method:** EA-4/02 M:2022 Technical Manual BS 2648 :1956 Technical Manual	Digital Thermometers S/No. 06150001, 2101392 (CE-009 & CE-010), Model no. C22 & DT-1320, Man. **Traceability:** IQTST/1L/IQTS/23/006 &005 of 2023-06-22 Temperature range: -50° C to 300° C.	90^0C to 140^0C	±2.5°C	
Contact Thermo-hygrometers/Data loggers	Temp/Humidity	IQTS/P/OP/01/6 **Reference method** EA-4/02 M:2022 Technical Manual DKD_R_5_8_2019 Guideline	Thermo-hygrometer Indicator, S/No. IQTS/TH/01, Model no. HTC-1, Man. --- **Traceability:** IQTST/1L/IQTS/23/020 of 2023-06-23 Temperature range: (0° C to 50° C)/ (10% to 95%) Rh.	(0° C to 50° C) (10% to 95%) Rh.	±1.0°C ± 5% Rh.	
Controlled Enclosed Climatic Chambers		IQTS/P/OP/01/7 **Reference method:** EA-4/02 M:2022 Technical Manual DKD_R_5_8_2019 Guideline	Thermo-hygrometer Indicator S/No. IQTS/TH/01, Model no. HTC-1, Man. --- **Traceability**: IQTST/1L/IQTS/23/020 of 2023-06-23 Temperature range: (0° C to 50° C)/ (10% to 95%) Rh.	(0° C to 50° C) (10% to 95%) Rh.	±1.0°C ± 5% Rh.	

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3.0 Calibration Field: Pressure

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC)	Equipment to be calibrated
Bourdon tube pressure	Pressure	**Internal Method:** IQTS/P/OP/01 **Reference Method:** DKD-R-6-1-Calibration of pressure gauges	Additel instrument, Reference Digital Pressure Gauge S/No. 27310190006 **Traceability:** KEBS/BS/MET/5/3/8/0/179	0 to 4MPa	± 0.0027 Bar	Ideal Quality Trail Calibration Laboratory
Bourdon tube pressure	Pressure	**Internal Method:** IQTS/P/OP/01 **Reference Method:** DKD-R-6-1-Calibration of pressure gauges	Additel instrument, Reference Digital Pressure Gauge S/No. 3593055 **Traceability:** KEBS/BS/MET/5/3/8/2/048	0 to 60 MPa	± 0.0302 MPa	

4.0 Calibration Field: Volume

Equipment to be calibrated	Measurand	Calibration Method	Reference Standard	Range	Calibration and Measurement Capability (CMC) ± expanded uncertainty)	Calibration Site
Volumetric vessels/ Tanks	Volume	API 2555 and ASTMD 1406	5 Litres prover tank **Traceability:** (BS/MET/08.03/81/01, Dipping tape, Strapping tape, Theodolite (Scanner/point)	(5 to 10,000,000) Litres	± 200 l	Ideal Quality Trail Calibration Laboratory
Pipettes	Mass	Gravimetric Method: ISO 8655-6	Weighing scale, Mettler AE200, CE-033. Calibration certificate number IQTSM/3L/IQTS/23/001. **Traceability:** F1 masses certificate no. KEBS/MET/02/03/02/614. Calibration date 2023-06-07. Thermometer CE-010 (2101392)	0.001g to 20g 0.001ml to 20ml	±0.001g ±1ml	

			Traceability: IQTST/1L/IQTS/23/006, calibrated on 2023-06-22. Traceable to a data logger with calibration sticker KEBS: 89399, calibrated on 2023-06-20.			
Flow Meters	Volumetric flow rate	KS OIML R49:2006, ISO 8222-2002	Ultrasonic Flow meter master meter **Traceability:** (BS/MET/8/3/79/168), 5000 Litres prover tank standard **Traceability:** (BS/MET/8/3/79/070), Oil meters calibration,	0.1 – 1000 m^3/h 0.1 – 500 m^3/h	± 0.452 m^3/h, ± 0.05%	Ideal Quality Trail Calibration Laboratory

*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	15-Aug-2013	15-Aug-2013	14-Aug-2016
1st Re-accreditation	14-Dec-2016	14-Dec-2016	14-Aug-2019
2nd Re-accreditation	20-Feb-2020	20-Feb-2020	14-Aug-2023
3rd Re-accreditation	14-Sep-2023	14-Sep-2023	14-Aug-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: Date: 05-November-2025

KENAS ~~CEO~~/ Authorized Representative