KENYA ACCREDITATION SERVICE
P. O. Box 47400-00100, TEL. +254-787-395679, +254-725-227640 Nairobi, Kenya
Email: info@kenyaaccreditation.org Web: www.kenas.go.ke

SCHEDULE OF ACCREDITATION

QUALITY ASSURANCE SYSTEMS LIMITED

ISO/IEC 17025:2005

Calibration Laboratory Number: **KENAS/CL/10**

Date of Accreditation: 18-Sep-2015
Re-Accreditation Decision: 14-Sep-2018

PERMANENT ADDRESS OF LABORATORY
QAS PLAZA
Mombasa Road
P.O. Box 56871-00200
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Tel: +254-20-2049892 / 2034681
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Technical Manager:

Eng. E.T. Muriuki

Technical Signatories:

1. Daniel Waikama – Temp. / Pressure /Force/Mass
2. Peter Cherop – Temp. / Pressure / Force/Mass
3. Ambrose Wanjohi – Mass
4. John Mutuku – Mass
5. Kelvin Maina - Pressure

Date of expiry: 13-Sep-2022

Approved by: _____ ***Date: 14-Sep-2018***
KENAS CEO/Authorized Representative

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SCHEDULE OF ACCREDITATION

No	Calibration Field	Calibration Object	Measurand	Calibration Method	Standard	Calibration and Measurement Capability (CMC) (Measurement Point /Range ± expanded uncertainty (k=2, level of confidence 95%))	Calibration Site
01	Mass	Non Automatic Weighing Machines	Mass	Internal Method: QASM/OP/001 Ref Method: R76-1 2006	F_1 MASSES Traceability; KEBS/BS/MET/2/3/022	10mg to 2000g ± 3.00mg	Clients Site
					M_2 MASSES Traceability; KEBS/BS/MET/2/3/009	1kg to 1000kg + 0.1kg	
02	Temperature	PRT Resistance Temperature readers indicators and controllers	Temperature	Internal Method: QAST/OP/001 Ref Method: EA-10/11:2000 Guidelines on calibration of temperature indicators and simulators by electrical simulation and measurements EA-4/04: Beginners guide to uncertainty of measurements. ITS 90 Tables for thermo-electric EMF and resistive sensors	Resistance Calibrator Simulator S/No. 4120K10 & 541K12 Traceability: KEBS/BS/MET/9/3/051/019 & KEBS/BS/MET/9/3/052/118	-100 to 600˚C ± 0.6˚C	Laboratory / Client Site
		T/C Temperature Readers, Indicators and Controllers		Internal Method: QAST/OP/002 Ref Method: EA-10/11:2000 Guidelines on calibration of temperature indicators and simulators by electrical simulation and measurements EA-4/04: Beginners guide to uncertainty of measurements ITS 90 Tables for thermo-electric EMF and resistive sensors	Voltage / Current Calibrator-Simulator S.No. 1.166260 Traceability: KEBS/BS/MET/4/3/103/062	-100 to 1600 ˚C ± 1.5˚C	
		Liquid in Glass Digital, Metallic Dial Gauge and Infra-red Thermometers		Internal Method: QAST/OP/003 Ref Method: EA-4/04: Beginners guide to uncertainty of measurements ASTM 2877;12el:	Thermocouple digital temperature Indicator: S/No 38990, 23640054 & 31550192WS. Thermocouple probe-sensor S/No. 2973 of type-K, TCJ, TCK, TCR	25 to 400 ˚C ± 1.5˚C	

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No	Calibration Field	Calibration Object	Measurand	Calibration Method	Standard	Calibration and Measurement Capability (CMC) (Measurement Point /Range ± expanded uncertainty (k=2, level of confidence 95%))	Calibration Site
				Guideline for temperature calibration by direct comparison with a standard thermometers	Traceability KEBS/BS/MET/4/3/112/168, 236, 110 & 036 & KEBS/BS/MET/4/3/110/035		
		Electrically heated and cooling liquid baths		Internal Method: QAST/OP/007 Ref Method: EA-4/04: Beginners guide to uncertainty of measurements ASTM 2877;12el: Guideline for temperature calibration by direct comparison with a standard thermometers	Thermocouple digital temperature Indicator: S/No 38990, 23640054 & 31550192WS . Thermocouple probe-sensor S/No. 2973 of type-K, TCJ, TCK, TCR Traceability KEBS/BS/MET/4/3/112/168, 236, 110 & 036 & KEBS/BS/MET/4/3/110/035	25 to 400 °C ± 1.5°C	Laboratory / Client Site)
03	Pressure	Pressure gauges	Pressure	Internal Method: (QASP/OP/04) Ref Method: DKD-R-6-1;2003	Digital Pressure Gauge BS/MET/5/3/70 /1 (for S/No. 21110160092) and BS/MET/5/3/70/84 (for S/No. 27311060002)	-0.08 to 60 MPa + 0.008 MPa	Laboratory / Client Site
04	Force	materials testing compression machine	Force	Internal Method: QASF/OP/02 Ref. Method: ISO 7500-1:2015	Load Cell S/No. 1913 Traceability certificate no. BS/MET/3/3/47/008	(1 to 2000 KN) ± 2.61%	Clients Site

Original Date of Accreditation: 18-Sep-2015

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: 14-Sep-2018***

KENAS CEO/Authorized Representative