

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan



ACCREDITED  
**CALIBRATION**  
 ISO/IEC 17025:2017  
 No. ACL 0014

### Calibration Laboratory Accreditation No. ACL 0014

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognized International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

<b>Arabian Calibration Dev. Rep. Co. LLC (ARABCAL)</b>	
Address. Industrial Area 13, Near Rameez Hyper Market, Along E311 Road, Sharjah, UAE  PO Box: 24650	Contact: Mr. Eby Joy Tel: +971 6 5345747/+971 552210154 Fax: +971 6 5345727 Email: qc@arabcal.com Web Address: www.arabcal.com

#### **Locations where calibration activities covered by the above Accreditation Standard are undertaken**

1- Industrial Area 13, Near Rameez Hyper Market, Along E311 Road, Sharjah, UAE

#### **For the following scope:**

##### **Scope:**

Scope details are as follows:

#### **1. Calibration**

- 1.25 Torque measuring devices
  - .02 Torque transducers
- 1.26 Testing machines
  - .01 Tension and universal machines in tension
  - .02 Compression and universal machines in compression
- 1.23 Force measuring devices

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

GAC



ACCREDITED  
**CALIBRATION**

ISO/IEC 17025:2017

No. ACL 0014

- .05 Force gauges
- 1.20 Pressure and vacuum measuring devices
  - .01 Pressure gauges
  - .02 Vacuum gauges (bourdon tube)
- 1.03 Engineering metrology equipment
  - .01 Surface plates
  - .06 Bevel protractors
  - .13 Thread measuring accessories
  - .21 Micrometer heads
  - .22 External micrometers
  - .24 Depth micrometers
  - .25 Electronic indicators, dial gauges and test indicators
  - .26 Bore gauges
  - .27 Electronic and Vernier calipers
  - .28 Electronic and Vernier height and depth gauges
  - .29 Feeler gauges
  - .31 Steel rules and measuring tapes
- 1.08 Length and Angle Standards
  - .04 Gauge Blocks
  - 1.17 Flow measuring devices
    - .01 Anemometers
- 1.40 Bridges, Potentiometers, Test Sets
  - .31 Current Transformer Testing Sets
  - .33 Partial Discharge Test Equipment
  - .41 High Voltage Test Sets
- 1.58 Calibration of irradiance measuring instruments
  - .07 Calibration of ultraviolet radiometers
- 1.63 Luminance
  - .02 Calibration of Luminance Meters
- 1.90 Acoustic measuring and calibration equipment
  - .02 Sound level meters

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

### 1.91 Vibration measuring and calibrating equipment

#### .02 Vibration measuring systems

#### **Calibration field 1: (Force)**

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Torque Measuring Devices	0.5 Nm to 338.95 Nm	0.5 %	BS 7882:2017+ CI/06/TT1:2020	Torque Testers/Transducers	P
	> 338.95 Nm to 813.49 Nm	0.5 %			
	>813.49 Nm to 2711.63 Nm	0.5 %			
Force Measurement (Compression/Tension)	50 N to 4 kN	0.2 %	VDI/VDE 2624 part 2.1:2008 + CI/04/FG1:2021	Push pull Gauge/Force Gauge	P
Testing Machines (Compression/Tension)	4 kN to 45 kN	0.4 %	ISO 7500:2018 + CI/09/TTM1:2021	Universal Testing Machine	S
	> 45 kN to 245 kN	0.5 %			
Force Measuring Instruments (Dynamometers)	4 kN to 45 kN	0.4 %	CI/09/L1: 2021	Dynamometers	S
	> 45 kN to 245 kN	0.5 %			
Cable Tensiometers	0.5 N to 1.5 kN	0.2 %	Manufacturer procedure+ CI/09/CTSM1:2021	Cable Tensiometers	P
Force-Measuring Instruments	0.45 N to 0.45 kN	0.40 %	VDI/VDE 2624:2008 part 2.1 + Internal Procedure- CI/04/FG1:2021	Force-Measuring Instruments	P

#### **Calibration field 2: (Pressure)**

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Absolute pressure	0 to 1.2 bar	0.5 mbar	DKD-R 6-1:2014+ CI/02/PI2:2021  (Using Pressure Modules and station)		P
	> 1.2 bar to 3.2 bar	0.7 mbar			
Gauge pressure -Pneumatic	- 25 mbar to 25 mbar	0.02 mbar	DKD-R 6-1:2014+ CI/02/PI2:2021  (Using High Precision Controllers, Pressure Modules, portable controllers)	Indicators, Transducers, Transmitters, switches	P
	-1 bar to 2 bar	0.30 mbar			P
	> 2 bar to 20 bar	9 mbar			P
	> 20 bar to 210 bar	25 mbar			P
	-1 bar to 2.5 bar	1 mbar			S
	> 2.5 bar to 200 bar	30 mbar			S
Gauge Pressure -Hydraulic	1 bar to 60 bar	0.03%	DKD-R 6-1:2014+ CI/02/PI2:2021  (Using Dead weight Tester)	Indicators, Transducers, Transmitters, switches	P
	> 60 bar to 1200 bar	0.04%			
Gauge Pressure -Hydraulic	1 bar to 700 bar	0.1 bar	DKD-R 6-1:2014+ CI/02/PI2:2021  (Using Pressure Modules, portable controllers, Reference Indicators)	Indicators, Transducers, Transmitters, switches	P/S

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

### Calibration field: (Pressure)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Absolute Pressure	0.05 bar to 1.35 bar	0.03 mbar	DKD-R 6-1:2014+ Internal Procedure CI/02/PI2:2021	Absolute pressure indicators, ADTS	P
	0.05 bar to 3.5 bar	0.03%			
Gauge Pressure (Pneumatic)	0 bar to 350 bar	0.3 bar	DKD-R 6-1:2014+ Internal Procedure CI/02/PI2:2021	Pressure indicators, Transmitters, Switches	P/S

### Calibration field 2: (Dimensional)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Calipers (All Types) LC: 0.01 mm	0 mm to 300 mm	20 µm	ISO 13385-1:2019 + CI/05/V3:2020	Vernier, Dial, Digital calipers	P
	> 300 mm to 600 mm	30 µm			
	> 600 mm to 1000 mm	40 µm			
Outside Micro-meter LC: 0.001 mm	0 mm to 100 mm	2 µm	ISO 3611:2010 + CI/05/O2:2020	Analogue, Digital micrometer	P
	>100 mm to 200 mm	2.5 µm			
	>200 mm to 300 mm	3.3 µm			
LC: 0.01 mm	> 300 mm to 400 mm	10 µm			
	> 400 mm to 600 mm	10 µm			
	> 600 mm to 1000 mm	20 µm			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Dial Indicators (Type A, Type B, Type C) LC:0.001mm	0 mm to 100 mm	3 $\mu$ m	BS 907:2008, ANSI B89.1.10M:2001 and BS 2795:1981 + CI/05/D6:2020	Plunger, Lever type Dial Indicators	P
Micro-meter heads LC:0.001 mm	0 mm to 50 mm	1.7 $\mu$ m	IS 9843:1991+ CI/05/MH1:2021	Analogue, Digital micrometer heads	P
Digital/Dial Thickness gauge LC: 0.001 mm	0 mm to 50 mm	3 $\mu$ m	CI/09/CTG1:2021	Thickness Gauge	P
Ultrasonic thickness gauge L.C: 0.01 mm	0 mm to 300 mm	4.0 $\mu$ m	CI/09/CTG1:2021	Ultrasonic thickness gauge	P
LC: 0.1 mm	0 mm to 300 mm	10 $\mu$ m			
Depth Micro-meter LC:0.001 mm	0 mm to 300 mm	7 $\mu$ m	BS 6468:2008+ CI/05/DMM1:2021	Analogue, Digital Depth micrometer	P
LC:0.01 mm	0 mm to 300 mm	10 $\mu$ m			
Depth Gauge/Caliper LC:0.01mm	0 mm to 400 mm	10 $\mu$ m	BS 6365:2008 + CI/05/DV1:2021	Depth Gauge/Caliper	P
Electronic/Dial/Vernier-Height Gauge LC:0.0001mm	0 mm to 600 mm	4 $\mu$ m	IS 2921:2016 + CI/05/HG1:2021	Electronic/Dial/Vernier-Height Gauge	P
	0 mm to 1000 mm	7 $\mu$ m			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

LC:0.001 mm	0 mm to 600 mm	6 $\mu$ m	IS 2921:2016 + CI/05/HG1:2021	Electronic/Dial/Vernier- Height Gauge	P
LC:0.01 mm	0 mm to 1000 mm	10 $\mu$ m			
Setting Rods	0 mm to 300 mm	3.5 $\mu$ m	CI/05/O2:2020	Setting Rods	P
	>300 mm to 600 mm	5 $\mu$ m			
Feeler Gauge set	0.025 mm to 2 mm	2.0 $\mu$ m	BS 957:2008+ CI/01/FGE1:2021	Feeler Gauge	P
Coating thickness gauge	(0 to 500) $\mu$ m, (0 to 1500) $\mu$ m, (0 to 5) mm, (0 to 30) mm	2.0 $\mu$ m	DeFelsko Guideline:2017+ CI/09/CTG1:2021	Coating thickness gauge	P
Test Foils	0 $\mu$ m to 2000 $\mu$ m	2.0 $\mu$ m	DeFelsko Guideline:2017+ CI/09/CTG1:2021	Test Foils	P
Dial Indicator calibrator LC:0.0002 mm	0 mm to 25 mm	1.0 $\mu$ m	CI/05/D6 :2020	Dial Indicator calibrator	P/S
	>25 mm to 50 mm	1.9 $\mu$ m			
Cylindrical Measuring Pin / Thread Measuring Wire Pin	0.4 mm to 15 mm	1.5 $\mu$ m	EURAMET cg-06:2011 + CI/05/PG1:2021	Pin Gauge (Go-No Go Gauge)	P
Plain / Setting Plug Gauges	0.5 mm $\varnothing$ 100 mm	1.8 $\mu$ m	EURAMET cg-06:2011 + CI/05/PG1:2021	Plug Gauge	P
	Above $\varnothing$ 100 mm to 200 mm	2.8 $\mu$ m			
	Above $\varnothing$ 200 mm to 300 mm	3.2 $\mu$ m			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Radius Gauge	0.6 mm to 25 mm	7.0 $\mu$ m	IS 5273:2013 + CI/05/RADG1:2021	Radius Gauge	P
Bevel Protractor LC: 0.01°	(0, 30, 45, 90) °	2.0 minutes of arc	IS 4239:1970 + CI/05/BPR1:2021	Bevel Protractor	P
Surface plate	160mm x 100mm to 1600mm x 1000mm	6 $\mu$ m	BS 817:2008+ CI/05/CST1:2021	Granite surface plate/cast iron plate	P
Test Sieve	0.032 mm to 5.00 mm (Wiremesh)	6.3 $\mu$ m	IS 460-1 & 2 :2020+ CI/05/TS1:2021	Test Sieve	P
	5.00 mm to 50 mm (Wiremesh)	13 $\mu$ m			
	1 mm to 125 mm (Perforated)	41 $\mu$ m			
Tape / Scale Calibrators L.C.: 0.001 mm	Upto 1000 mm	20 $\mu$ m	Manufacturer procedure+ CI/05/M1:2021	Tape / Scale Calibrators	P/S
Optical Comparator	Magnification error: 10X to 100X	0.80%	JIS B 7184:1999+ CI/01/OC1:2021	Optical Comparator/Profile Projectors	P/S
	Linear Measurement X- Axis :140 mm. Y axis: 80mm	2 $\mu$ m			
	Angle measurement: 1 to 360°	2 minutes of arc			
Measuring Tape LC: 1 mm	0 m to 5 m > 5 m to 30 m	2 mm 5 mm	IS 1269:1997 + CI/05/M1:2021	Measuring Tape/Pie Tape	P



## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Steel Rule LC 0.5 mm	0 m to 1 m	20 µm	IS 1269:1987 + CI/05/M1:2021	Steel Rule	P
Inside micro-meter L.C.: 0.01 mm	0 to 25 mm	1.8 µm	BS 959:2008+ CI/05/IM2:2021	Inside micro-meter (Stick/Tubular)	P
	25 mm to 50 mm	2.0 µm			
	>50 mm to 75 mm	2.5 µm			
	>75 mm to 100 mm	2.8 µm			
	>100 mm to 150 mm	3.0 µm			
	>150 mm to 300 mm	5.0 µm			
	>300 mm to 400 mm	6.8 µm			
	>400 mm to 600 mm	9 µm			
>600 mm to 1000 mm	16 µm				
Inside Micro-meter (Caliper type) LC: 001 mm	0 mm to 250 mm	5 µm	BS 959:2008+ CI/05/IM2:2021	Inside Micro-meter (Caliper type)	P
Three-point micro-meter LC: 001 mm	0 mm to 250 mm	5.0 µm	CI/05/IM2:2021	Three Point Micrometer	P

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Bore Gauge (Transmission error only) Span Dia. Upto 400 mm LC 0.001 mm	0.01 mm 2 mm	2.4 $\mu$ m	JIS B 7515:1982+ CI/05/BG1:2021	Telescopic Gauge, Bore Gauge	P
Cylindrical Setting Standard	1 mm to 100 mm	1 $\mu$ m	ANSI B89.1.6:2017 + CI/05/RG1:2021	Ring Gauge	P
	>100 mm to 250 mm	2.5 $\mu$ m			

### Calibration field 3: (Acoustics)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Sound Level-Generation	94 dB & 114 dB	0.32 dB	BS 7580-1:1997+ CI/05/SLM1:2021	Sound Level Meters	P/S

### Calibration field 4: (Electrical)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Oscilloscope (50Ω and 1MΩ) Amplitude	2 mV to 50 V	0.3%	CI/01/OSE1:2021 Based on EURAMET cg-7:2011	Multiproduct Calibrator	P/S
Time Base	2 ns to 5 s	0.5%			
Bandwidth	50 kHz to 1 GHz	4.5%			
DC Power	33 mV to 1000 V		CI/01/M1:2021 Based on EURAMET cg-15:2015	Multiproduct Calibrator	P/S
0.33 mA to 2.999 A	10.9 μW to 2.9 kW	0.04%			
3 A to 20 A	99 mW to 20 kW	0.12%			
AC Power @ UPF	33 mV to 1000 V (45 Hz to 65 Hz)		CI/01/M1:2021	Multiproduct Calibrator	P/S
3.3 mA to 8.999 mA	0.11 mW to 2.97 mW	0.20%			
	2.97 mW to 8.99 W	0.23%			
9 mA to 32.99 mA	0.29 mW to 11 mW	0.17%			
	11 mW to 32.99 W	0.17%			
33 mA to 89.99mA	1.1 mW to 29.7 mW	0.20%			
	29.7 mW to 89.9 W	0.24%			
90 mA to 329.99 mA	2.97 mW to 109.9 mW	0.13%			
	109.9 mW to 329.99 W	0.17%			

### Calibration field 4: (Electrical)(Continuation)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
0.33 A to 0.8999 A	10.9 mW to 297 mW	0.18%	CI/01/M1:2021	Multiproduct Calibrator	P/S
	297 mW to 899.9 W	0.21%			
0.9 A to 2.1999 A	2.97 mW to 725 mW	0.18%			
	725 mW to 2.1 kW	0.18%			
2.2 A to 4.4999 A	72.6 mW to 1.485 W	0.20%			
	1.485 W to 4.4 kW	0.22%			
4.5 A to 20 A	148.5 mW to 6.6 W	0.17%			
	6.6 W to 20 kW	0.19%			
Phase angle	Voltage to current				
0-90°	10 Hz to 65 Hz	0.2°	CI/01/M1:2021	Multiproduct Calibrator	P/S
	65 Hz to 500 Hz	0.4°			
	0.5 kHz to 1kHz	0.8°			
>90° to 360°	50 Hz	0.4°			

### Calibration field 4: (Electrical)(Continuation)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Active & Reactive Energy	40 - 65 Hz; 30 - 500 V PF= 1 to 0.5 (Lead and Lag) Current: 1 mA to 12 A	0.07%	CI/01/EM1:2020 Based on EN50470:2018	Energy Meter Standard- Emsyst	P/S
	40 - 65 Hz; 30 - 500 V PF= 1 to 0.5 (Lead and Lag) Current: 10 mA to 120 A	0.08%			
Generation - Resistance	10 $\mu\Omega$	1.5%	CI/01/M1:2021 Based on EURAMET cg-15:2015	Standard Resistance(s)  Multiproduct Calibrator	P/S
	50 $\mu\Omega$	1.2%			
	200 $\mu\Omega$	0.07%			
	500 $\mu\Omega$	0.06%			
	1 m $\Omega$	0.06%			
	2 m $\Omega$	0.08%			
	5 m $\Omega$	0.06%			
	50 m $\Omega$	0.06%			
100 m $\Omega$	0.02%				

### Calibration field 4: (Electrical)(Continuation)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Generation - Resistance	200 mΩ	0.04%	CI/01/M1:2021 Based on EURAMET cg-15:2015	Multiproduct Calibrator Standard Resistance(s)	P/S
	500 mΩ	0.02%			
	1 Ω	0.02%			
	>1 Ω - 10 Ω	0.006%			
	>10 Ω - 100 Ω	0.005%			
	>100 Ω - 1MΩ	0.004%			
	>1 MΩ - 3.3 MΩ	0.007%			
	>3.3 MΩ - 11 MΩ	0.02%			
	>11 MΩ - 33 MΩ	0.03%			
	>33 MΩ - 110 MΩ	0.06%			
	>110 MΩ - 330 MΩ	0.3%			
	>330 MΩ - 1 GΩ	1.7%			

### Calibration field 4: (Electrical)(Continuation)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Generation - Capacitance	100 pF – 1 nF	4.7% to 1.5%	CI/01/M1 :2021	Standard Capacitance Box	P/S
	1 nF - 10 µF	1.2% to 1.5%			
	0.19 nF to 0.3999 nF	6.7%	CI/01/M1:2021	Multiproduct Calibrator	P/S
	0.4 nF to 1.0999 nF	3.9%			
	(1.1 to 3.2999) nF	2.5%			
	(3.3 to 10.9999) nF	0.5%			
	(11 to 32.9999) nF	0.9%			
	(33 to 109.999) nF	0.5%			
	(110 to 329.999) nF	0.5%			
	(0.33 to 1.09999) µF	0.5%			
	(1.1 to 3.29999) µF	0.5%			
	(3.3 to 10.9999) µF	0.5%			
	(11 to 32.9999) µF	0.7%			

### Calibration field 4: (Electrical)(Continuation)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Generation - Capacitance	(33 to 109.999) $\mu$ F	0.7%	CI/01/M1 :2021	Multiproduct Calibrator	P/S
	(110 to 329.999) $\mu$ F	0.7%			
	(0.33 to 1.09999) mF	0.9%			
	(1.1 to 3.29999) mF	0.7%			
	(3.3 to 10.9999) mF	0.7%			
	(11 to 32.9999) mF	1.0%			
	(33 to 110) mF	1.4%			
Generation - Inductance	1 mH to 10 H	1%	CI/01/M1:2021	Multiproduct Calibrator Standard Capacitance Box	P/S
Measurement-Resistance	1 m $\Omega$ to 100 M $\Omega$	300 n $\Omega$ - 230 ppm	CI/01/EC1:2020	Master LCR Meter	P/S
Measurement-Capacitance	1 pF to 1 F	20 ppm - 90 ppm			
Measurement- Inductance	10 nH to 100 kH	0.10%			
Earth Bond Resistance	36 m $\Omega$ to 1 $\Omega$	5 m $\Omega$ to 11 m $\Omega$	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	5 $\Omega$	29 m $\Omega$			
	10 $\Omega$	58 m $\Omega$			
	100 $\Omega$	580 m $\Omega$			
	1000 $\Omega$	5.8 $\Omega$			
Earth bond current @ 0.1 $\Omega$ load @ 50 Hz	100 mA	9 mA	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	4 A - 25 A	0.5 A			
PAT Leakage current @ 240 V	2.2 mA	40 $\mu$ A	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	4.7 mA	80 $\mu$ A			



## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
	7.7 mA	140 $\mu$ A			
Load for PAT @ UAE Mains	0.13 kVA	6%	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
Continuity Resistance	0.2 $\Omega$ - 2 $\Omega$	30 m $\Omega$	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	2 $\Omega$ - 10 $\Omega$	40 m $\Omega$ - 58 m $\Omega$			
	10 $\Omega$ - 20 $\Omega$	58 m $\Omega$ - 90 m $\Omega$			
	100 $\Omega$	0.32 $\Omega$	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	1 k $\Omega$	3 $\Omega$	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
Loop impedance	0.51 $\Omega$	43 m $\Omega$	CI/01/SA1:2020 Based on Transmille 3200 Manual	Electrical Test equipment Calibrator	P
	1 $\Omega$	44 m $\Omega$			
	5 $\Omega$	56 m $\Omega$			
	10 $\Omega$	80 m $\Omega$			
	99 $\Omega$	590 m $\Omega$			
	994 $\Omega$	5.8 $\Omega$			

### Calibration Field: (Electrical -High Voltage)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
DC Voltage – Calibration of meters	0 kV to 100 kV	1 %	IEC 60060:2010 + Internal Procedure- CI/01/HV1:2021	DC Voltage - Meters	P
AC Voltage – Calibration of meters (0.01 Hz to 50 Hz/60 Hz)	0.1 kV to 100 kV	1.5 %	IEC 60060:2010 + Internal Procedure- CI/01/HV1:2021	AC Voltage – Meters	P
DC Voltage – Calibration of sources	0 kV to 100 kV	1 %	IEC 60060:2010 + Internal Procedure- CI/01/HV1:2021	DC Voltage – Sourcing instruments	P/S
AC Voltage - Calibration of sources (Up to 400 Hz)	0.1 kV to 100 kV	1.5 %	IEC 60060:2010 + Internal Procedure- CI/01/HV1:2021	AC Voltage – Sourcing (up to 400 Hz)	P/S
AC Voltage - Calibration of sources (Frequency: 50 Hz/60 Hz)	>100 kV to 200 kV	2 %	IEC 60060:2010 + Internal Procedure- CI/01/HV1:2021	AC Voltage – Sourcing (up to 400 Hz)	P/S
DC High Current - Calibration of sources	20 A to 1000 A	3 mA/A	Direct Method Using Shunt + Internal Procedure- CI/01/HC1:2021	DC High Current - Sourcing instruments	P/S
AC High Current - Calibration of sources (@ 60 Hz to 400 Hz)	20 A to 1000 A	6 mA/A	Direct Method Using Current Transformer + Internal Procedure- CI/01/HC1:2021	AC High Current - Sourcing instruments	P/S

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

AC High Current - Calibration of sources (@ 60 Hz to 400 Hz)	>1000 A to 2000 A	5 mA/A	Direct Method Using Current Transformer + Internal Procedure- CI/01/HC1:2021	AC High Current - Sourcing instruments	P/S
Current Ratio Error/Phase Error- CT Analyzers	CT Ratio: 5000 A/5 A to 150 A/5 A	0.10 %	Direct Method using Reference current Transformer Internal Procedure- CI/01/CT1:2021	CT Analyzers-Meters	P/S
	Phase Error	3.0 min			
Current Ratio Error/Phase Error- Current Transformer	Ratio: 0.8/1 to 10000/1	0.2 %	IEC 61869-2:2012, Direct Method using CT tester + Internal Procedure- CI/01/CT1:2021	Current Transformer	P/S
	Phase Error: 0 to 180°	0.1 %			
Transformer Turns ratio (Test Voltage: Up to 200 V, Frequency: 50 ~ 60 Hz)	Ratio: 0.8 to 2000	0.3 %	Direct Method using Ratio Standard + Internal Procedure- CI/01/TTRM1:2021	Transformer Turns ratio meter	P/S
Oil Break-down Voltage (BDV) Tester	Voltage :1 kV to 100 kV	2 %	Manufacturer Manual (Using Oil Test set calibration meter) + Internal Procedure- CI/01/HV1:2021	Oil BDV Test Kit (Megger products only)	P/S
Dissipation factor (Tan-delta- 17 set points) @ 99.1 pF, 10 kV (Fixed Values)	7.3 · 10 <sup>-6</sup> 1.06 · 10 <sup>-4</sup>	3.2·10 <sup>-5</sup> (absolute)	Direct method using Standard capacitance bridge + Internal Procedure- CI/01/TD1:2021	Tan-Delta Test set	P/S

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Dissipation factor (Tan-delta- 17 set points) <b>@ 99.1 pF, 10 kV (Fixed Values)</b>	2.05 · 10 <sup>-4</sup>	2.2·10 <sup>-5</sup> (absolute)	Direct method using Standard capacitance bridge + Internal Procedure- CI/01/TD1:2021	Tan-Delta Test set	P/S
	3.04 · 10 <sup>-4</sup>				
	5.04 · 10 <sup>-4</sup>				
	8.05 · 10 <sup>-4</sup>				
	9.98 · 10 <sup>-4</sup>				
Dissipation factor (Tan-delta- 17 set points) <b>@ 99.1 pF, 10 kV (Fixed Values)</b>	1.99 · 10 <sup>-3</sup>	2.8·10 <sup>-4</sup> (absolute)	Direct method using Standard capacitance bridge + Internal Procedure- CI/01/TD1:2021	Tan-Delta Test set	P/S
	2.98 · 10 <sup>-3</sup>				
	4.97 · 10 <sup>-3</sup>				
	7.93 · 10 <sup>-3</sup>				
	9.97 · 10 <sup>-3</sup>				
Dissipation factor (Tan-delta- 17 set points) <b>@ 99.1 pF, 10 kV (Fixed Values)</b>	1.97 · 10 <sup>-2</sup>	1.3·10 <sup>-3</sup> (absolute)	Direct method using Standard capacitance bridge + Internal Procedure- CI/01/TD1:2021	Tan-Delta Test set	P/S
	2.96 · 10 <sup>-2</sup>				
	4.95 · 10 <sup>-2</sup>				
	7.91 · 10 <sup>-2</sup>				
	9.86 · 10 <sup>-2</sup>				

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

### Calibration Field: Electrical -Radio Frequency (RF)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Generation Frequency	100 kHz to 4 GHz	0.001 kHz to 1.5 kHz	Internal procedure: CI/14/SPA1:2021 Based on OEM manual; Using Signal Generator, Sweeper.	Meter-Frequency	P
	>4 GHz to 20 GHz	2.6 kHz to 13 kHz			
Generation Power Level (Absolute Power)	50 MHz to 1 GHz, -30 dBm to 20 dBm	1.4 dB	Internal procedure: CI/14/RFS1:2021 Based on OEM manual; Using Sweeper	Power meters	P
	10 GHz to 18 GHz, -30 dBm to 13 dBm	1.6 dB			
Generation Amplitude Modulation (AM) (Mod Rate 1 kHz)	AM Frequency: 10 MHz to 4 GHz		Internal procedure: CI/14/SPA1:2021 Based on OEM manual; Using Signal Generator	Meters-AM	P
	Depth: 10 %	1.7 %			
	Depth: 30 %	3.0 %			
	Depth: 50 %	4.3 %			
	Depth: 70 %	5.6 %			
	Depth: 80 %	6.3 %			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Generation Frequency Modulation (FM) (Mod Rate 1 kHz) FM Frequency: 10 MHz to 1 GHz	Deviation: 1 kHz	0.04 kHz	Internal procedure: CI/14/SPA1:2021 Based on OEM manual; Using Signal Generator	Meters-FM	P
	Deviation: 50 kHz	2 kHz			
	Deviation: 100 kHz	4 kHz			
Generation Reflection Coefficient (from 0.3 MHz to 10 GHz, N connector)	0.501 & 0.1 (from 0.3 MHz to 10 GHz)	0.03	Internal procedure: CI/14/RFM1:2021 Based on OEM manual; Using 6 dB and 20 dB Return Loss standards	Meters-Return loss	P
Measure Frequency	10 kHz- 20 GHz	0.0015 kHz to 8.5 kHz	Internal procedure: CI/14/SG1 :2021 Based on OEM manual; Using Counter	Sources-Frequency	P
Measure Power Level (Absolute Power)	10 MHz to 18 GHz		Internal procedure: CI/14/SG1:2021 Based on OEM manual; Using power meter with sensor and spectrum analyzer	Sources-Absolute Power	P
	-30 dBm	0.8 dB			
	-25 dBm to 13 dBm	0.5 dB			
	10 MHz to 6 GHz				
	-60 dBm to -30 dBm	1.8 dB			
	>6 GHz to 18 GHz				
-60 dBm to -30 dBm	2.4 dB				

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measure AM Modulation (Mod Rate- 1kHz)	10 MHz to 1GHz		Internal procedure: CI/14/SG1:2021 Based on OEM manual; Using Measuring Receiver.	Sources-AM	P
	Depth: 1 %	0.08 %			
	Depth: 10 %	0.4 %			
	Depth: 50 %	1.0 %			
	Depth: 90 %	1.4 %			
Measure FM Modulation (Mod Rate- 1kHz)	1 MHz to 10 MHz		Internal procedure: CI/14/SG1:2021 Based on OEM manual; Using Measuring Receiver	Sources-FM	P
	Deviation: 1 kHz to 40 kHz	0.03 kHz to 0.94 kHz			
	Deviation: >40 kHz to 100 kHz	0.52 kHz to 1.3 kHz			
	>0.01 GHz to 1 GHz				
	Deviation:1 kHz to 100 kHz	0.15 kHz to 1.4 kHz			
Measure Reflection Coefficient 0.2 to 0.501 (2 MHz to 4 GHz)	2 MHz to 3.5 GHz	0.16 rho	Internal procedure: CI/14/RFM1:2021 Based on OEM manual; Using RF Analyzer	Sources-Return loss	P
	> 3.5 GHz to 4 GHz	0.36 rho			

### Calibration field 5: (Time & Frequency)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Time Interval	5 s to 86400 s	0.3 s	CI/05/SW1:2021 Based on NIST 960-12:2009	Signal Generator, universal Frequency counter	P/S
Rotational Speed-Generation	30 rpm to 200000 rpm	0.02%	CI/01/TCM1:2021 Based on SANAS TR-45-02:2017	Multi Product Calibrator, Frequency Generator	P/S
Rotational Speed-Measure	30 rpm to 60000 rpm	1 rpm	CI/05/CFG1:2021 Based on SANAS TR-45-02:2017	Master Tachometer	P/S

### Calibration field: (Photometry and Radiometry)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Lux Meter	(150 to 20000) lux	5%	Comparison Method + Internal Procedure- CI/05/LUM1:2021	Lux Meter	P
Ultraviolet meter (UV-A)	(0.3 to 4.5) mW/cm <sup>2</sup>	10%	Comparison Method + Internal Procedure- CI/09/UVM1:2021	Ultraviolet meter	P

### Calibration field: (Flow Measuring Devices)



## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Air Velocity	2.5 m/s, 5m/s, 10 m/s, 15 m/s	0.43 m/s	ASTM D5096 – 02:2017 + Internal procedure- CI/09/P20:2021	Hot Wire, Vane Type and Pitot Tube Anemometer	P

### Calibration field: (Vibration Measurements)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Vibration Meter-Acceleration @ Frequency - 15.92 Hz, 40 Hz, 80 Hz, 159.2 Hz, 320 Hz, 640 Hz, 1280 Hz	1 m/s <sup>2</sup> , 2 m/s <sup>2</sup> , 5 m/s <sup>2</sup> , 10 m/s <sup>2</sup> , 20 m/s <sup>2</sup>	5 %	ISO 16063-21:2003+ Internal Procedure- CI/05/VM1:2021 Note: Velocity and Displacement can be calculated	Vibration Meters	P

### Calibration field: (Magnetic Quantity)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Gauss Meter	0 G to 30 G	0.4 G	Comparison Method using Reference gauss meter and Helmholtz coil + Internal Procedure-CI/05/GM2:2021	Gauss Meter (Magnetometers, Meters with axial or Transverse probes)	P
	> 30 G to 50 G	1.4 G			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

### Calibration field: (Chemical Quantity)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Concentration of Carbon Monoxide CO	0.002 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
	0.01 %	10 % relative			
	0.1 %	10 % relative			
	0.5 %	10 % relative			
Concentration of Methane CH <sub>4</sub>	50 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Hydrogen Sulphide H <sub>2</sub> S	0.0020 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
	0.0025 %	10 % relative			
Concentration of Oxygen O <sub>2</sub>	15 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
	18 %	10 % relative			
	20.9 %	10 % relative			
	100 %	10 % relative			

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Concentration of Isobutylene C <sub>4</sub> H <sub>8</sub>	0.01 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Carbon Dioxide CO <sub>2</sub>	0.5 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of N-Pentane C <sub>5</sub> H <sub>12</sub>	0.7 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Nitric Oxide NO	0.1 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Sulphur Dioxide SO <sub>2</sub>	0.1 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Nitrogen Dioxide NO <sub>2</sub>	0.1 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Hydrogen H <sub>2</sub>	0.1 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
Concentration of Ethanol C <sub>2</sub> H <sub>6</sub> O	0.0781 %	10 % relative	Internal Procedure-CI/07/MG1:2021	Gas detection meter	P / S
pH value	(4, 7, 10) pH	0.04 pH	Internal Procedure-CI/07/P1:2021	pH meter	P/S
Oxidation-Reduction Potential (ORP)	240 mV	20 mV	Internal Procedure-CI/07/P1:2021	ORP Meter	P/S

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Conductivity	84 $\mu$ S/cm	3 $\mu$ S/cm	Internal Procedure- CI/07/C1:2021	Conductivity meter	P/S
	1413 $\mu$ S/cm	11 $\mu$ S/cm			
	12.85 mS/cm	0.11 mS/cm			
Total Dissolved Solids TDS	11 mg/L	0.12 mg/L	Internal Procedure- CI/07/C1:2021	TDS meter	P / S
	116 mg/L	1.2 mg/L			
	478 mg/L	4.9 mg/L			
	1382 mg/L	5.4 mg/L			
	12.41 g/L	0.31 g/L			
Turbidity	20 NTU 100 NTU 500 NTU 1000 NTU (Nephelometric Turbidity unit NTU)	2.4%	Internal Procedure CI/07/TM1:2021	Turbidity Meter	P / S

### Calibration field: (Volume Quantities)

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Volume	(0-20) m3 @ (35 to 800) l/min	1%	Internal Procedure CI/09/FM1:2021	Totalizer Diesel flow meter	P

### Calibration field: (Flow Quantities)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Liquid flow	(380 to 1850) l/min	1 %	Internal procedure CI/01/F1:2021	Liquid flow meter, using Ultrasonic flowmeter For flow meter of pipe size from 12.4 mm up to 6 m and temperature of liquid from -30°C to 90°C	P / S
Gas flow	(0 to 1000) l/min	3 %	Internal procedure CI/09/MFM1:2021	Gas flow meter	P/S

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

### Calibration Field: (Dimensional)

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Gauge Block Set Tungsten Carbide/Steel/Ceramic	0.5 mm to 10 mm	0.08 $\mu$ m	ISO 3650:1998+ Internal Procedure-CI/05/GB1:2021	Gauge Blocks/Slip Gauges	P
	>10 mm to 25 mm	0.1 $\mu$ m			
	>25 mm to 50 mm	0.12 $\mu$ m			
	>50 mm to 75 mm	0.15 $\mu$ m			
	>75 mm to 100 mm	0.18 $\mu$ m			
Crimping tool- GO NOGO (Die Check)	0.011 inch to 0.250 inch	0.0002 inch	Manufacture Manual+ Internal Procedure-CI/05/CT1: 2021	Crimping tool- GO NOGO (Die Check)	P
	0.4 mm to 15 mm	0.005 mm			
Crimping tool - Pull out test	up to 220 lbf	0.5 lbf		Pull out test	
Thread Plug Gauge	Pitch diameter: Up to 200 mm	4 $\mu$ m	IS 2334:2001 + Internal Procedure-CI/05/TPG1:2021	Thread Plug Gauge	P
	Major diameter: Up to 200 mm	4 $\mu$ m			
	Angle: up to 70°	80"			
Thread Ring gauge	Pitch diameter:M13 mm to M90 mm	9 $\mu$ m	ULM 9000C Manual + Internal Procedure-CI/05/TRG1:2021	Thread Ring gauge	P
	Minor Diameter:13 mm to 90 mm	9 $\mu$ m			
Measurement using Profile Projector- Linear	X axis- 250mm; Y-Axis-150 mm	3 $\mu$ m	Internal Procedure-CI/05/OC1:2021	Any linear measurement	P
Measurement using Profile Projector-Angle	0 to 360°	3 minutes of arc		Any angle measurement	P

\*: Put only 'P', 'S' or 'P and S'

## 10.15 Scope of Accreditation

Issue No: 2/ Issue Date: 02-Jan-2022

File Manager: Hamza Khan

\*\*Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMC's represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

**Note:** the text in blue indicates the new scope OR update in the Edition of a method in this issue of the scope of accreditation.

### Log of Suspended Scopes:

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty ( $k = 2$ ) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *	Date Suspended	Date Reinstated

### Log of Withdrawn Scopes:

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty ( $k = 2$ ) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *	Date Withdrawn

**END**

This conformity assessment body (CAB) is recorded as issuing GAC accredited certificates to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen