



MICRO PRECISION CALIBRATION PTE LTD
BLOCK 5008 ANG MO KIO AVENUE 5 #07-02/03
TECHPLACE II SINGAPORE 569874
65 67484384



WATERS 6751

Certificate of Calibration

Date: Apr 22, 2020

Cert No. 551220083579113

Customer:

WATERS PACIFIC PTE LTD

1 SCIENCE PARK ROAD, #02-08 THE CAPRICORN
SINGAPORE SCIENCE PARK II
SINGAPORE 117528

Work Order #: SG-11014090

MPC Control #: MY46000358
Asset ID: 95153
Gage Type: 6 1/2 DIGIT MULTIMETER
Manufacturer: AGILENT
Model Number: 34411A
Size: N/A
Temp/RH: 22.0°C / 50.0%
Location: Calibration performed at MPC facility

Serial Number: MY46000358
Department: N/A
Performed By: DIVIEERNRAJ CHANDRAN
Received Condition: OUT OF TOLERANCE
Returned Condition: IN TOLERANCE
Cal. Date: April 21, 2020
Cal. Interval: 12 MONTHS
Cal. Due Date: April 21, 2021

Calibration Notes:

Please refer to the attached calibration data. (5 pages)

Calibration performed for PT Surya Teknologi.

Standards Used to Calibrate Equipment

I.D.	Description.	Model	Serial	Manufacturer	Cal. Due Date	Traceability #
FA3467	CALIBRATOR	5720A/ WIDEBAND OPTION	4665018	FLUKE	May 13, 2020	551220083009554
CE4099	RESISTANCE-CAPACITANCE SUBSITU	RCS-500	N/A	IET LABS	Oct 2, 2020	551220083248067

Procedures Used in this Event

Procedure Name	Description
AGILENT 34411A Rev. 0	6 1/2 Digit Multimeter, Agilent 34410A/11A, Edn.5, Jun-01-2012

Calibrating Technician:

DIVIEERNRAJ CHANDRAN

QC Approval:

JUN CALIMAG

STATEMENTS OF PASS OR FAIL CONFORMANCE: The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8.03/2009. All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCCL Z540.3-2006 and in case without guard banded the probability of false-accept depending on test uncertainty ratio.

THE CALIBRATION REPORT STATUS:

PASS: Term used when compliance statement is given, and the measurement result is PASS.

PASS²: Term used when compliance statement is given, and the measurement result is conditional passed or PASS².

FAIL: Term used when compliance statement is given, and the measurement result is FAIL.

FAIL²: Term used when compliance statement is given, and the measurement result is conditional failed or FAIL².

REPORT OF VALUE: Term used when reported measurement is not requiring compliance statement in report.

ADJUSTED: When adjustments are made to an instrument which changes the value of measurement from what was measured as found to new value as left.

LIMITED: When an instrument fails calibration but is still functional in a limited manner.

The expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%, unless otherwise stated. This calibration report complies with ISO/IEC 17025:2017 and ANSI/NCCL Z540.3. Calibration cycles and resulting due dates were submitted/approved by the customer. Any number of factors may cause an instrument to drift out of tolerance before the next scheduled calibration. Recalibration cycles should be based on frequency of use, environmental conditions and customer's established systematic accuracy. All standards are traceable to SI through the National Institute of Standards and Technology (NIST) and/or recognized national or international standards laboratories. Services rendered include proper manufacturer's service instruction and are warranted for no less than thirty (30) days. The information on this report pertains only to the instrument identified, this may not be reproduced in part or in a whole without the prior written approval of the issuing MP Calibration Laboratory.



Calibration Report of Agilent 34411A 6 1/2 Digital Multimeter

MPC Control #:	MY46000358	Serial Number:	MY46000358
Asset ID:	95153	Calibration Date:	April 21, 2020

Zero Offset Verification Accuracy (Front Terminal)

DC Current

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 μ A	0.0000 μ A	-0.0250 μ A	0.0024 μ A	0.0024 μ A	0.0250 μ A	PASS	0.000057 μ A
1 mA	0.000000 mA	-0.000060 mA	0.000003 mA	0.000003 mA	0.000060 mA	PASS	0.00000057 mA
10 mA	0.00000 mA	-0.00200 mA	0.00019 mA	0.00019 mA	0.00200 mA	PASS	0.0000057 mA
100 mA	0.0000 mA	-0.0050 mA	0.0004 mA	0.0004 mA	0.0050 mA	PASS	0.000057 mA
1 A	0.000000 A	-0.000100 A	0.000003 A	0.000003 A	0.000100 A	PASS	0.00000057 A
3 A	0.000000 A	-0.000600 A	0.000010 A	0.000010 A	0.000600 A	PASS	0.00000057 A

DC Voltage

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 mV	0.0000 mV	-0.0035 mV	0.0026 mV	0.0026 mV	0.0035 mV	PASS	0.000057 mV
1 V	0.00000 V	-0.00001 V	0.00000 V	0.00000 V	0.00001 V	PASS	0.00000057 V
10 V	0.00000 V	-0.00005 V	0.00000 V	0.00000 V	0.00005 V	PASS	0.00000057 V
100 V	0.0000 V	-0.0006 V	0.0000 V	0.0000 V	0.0006 V	PASS	0.000057 V
1000 V	0.000 V	-0.006 V	0.000 V	0.000 V	0.006 V	PASS	0.000057 V

Resistance (2 Wire)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	0.0000 Ω	-0.0040 Ω	0.0028 Ω	0.0028 Ω	0.0040 Ω	PASS	0.000057 Ω
1 k Ω	0.000000 k Ω	-0.000010 k Ω	0.000002 k Ω	0.000002 k Ω	0.000010 k Ω	PASS	0.00000057 k Ω
10 k Ω	0.00000 k Ω	-0.00010 k Ω	0.00001 k Ω	0.00001 k Ω	0.00010 k Ω	PASS	0.00000057 k Ω
100 k Ω	0.0000 k Ω	-0.0010 k Ω	0.0001 k Ω	0.0001 k Ω	0.0010 k Ω	PASS	0.000057 k Ω
1 M Ω	0.000000 M Ω	-0.000010 M Ω	0.000000 M Ω	0.000000 M Ω	0.000010 M Ω	PASS	0.00000057 M Ω
10 M Ω	0.00000 M Ω	-0.00010 M Ω	0.00000 M Ω	0.00000 M Ω	0.00010 M Ω	PASS	0.00000057 M Ω
100 M Ω	0.0000 M Ω	-0.0010 M Ω	0.0000 M Ω	0.0000 M Ω	0.0010 M Ω	PASS	0.000057 M Ω

Resistance (4 Wire)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	0.0000 Ω	-0.0040 Ω	0.0005 Ω	0.0005 Ω	0.0040 Ω	PASS	0.000057 Ω
1 k Ω	0.000000 k Ω	-0.000010 k Ω	0.000000 k Ω	0.000000 k Ω	0.000010 k Ω	PASS	0.00000057 k Ω
10 k Ω	0.00000 k Ω	-0.00010 k Ω	0.00000 k Ω	0.00000 k Ω	0.00010 k Ω	PASS	0.00000057 k Ω
100 k Ω	0.0000 k Ω	-0.0010 k Ω	0.0000 k Ω	0.0000 k Ω	0.0010 k Ω	PASS	0.000057 k Ω
1 M Ω	0.000000 M Ω	-0.000010 M Ω	0.000000 M Ω	0.000000 M Ω	0.000010 M Ω	PASS	0.00000057 M Ω
10 M Ω	0.00000 M Ω	-0.00010 M Ω	0.00000 M Ω	0.00000 M Ω	0.00010 M Ω	PASS	0.00000057 M Ω
100 M Ω	0.0000 M Ω	-0.0010 M Ω	0.0000 M Ω	0.0000 M Ω	0.0010 M Ω	PASS	0.000057 M Ω



Calibration Report of Agilent 34411A 6 1/2 Digital Multimeter

MPC Control #:	MY46000358	Serial Number:	MY46000358
Asset ID:	95153	Calibration Date:	April 21, 2020

Zero Offset Verification Accuracy (Rear Terminal)

DC Current

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 μ A	0.0000 μ A	-0.0250 μ A	0.0052 μ A	0.0052 μ A	0.0250 μ A	PASS	0.000057 μ A
1 mA	0.000000 mA	-0.000060 mA	0.000009 mA	0.000009 mA	0.000060 mA	PASS	0.00000057 mA
10 mA	0.00000 mA	-0.00200 mA	0.00072 mA	0.00072 mA	0.00200 mA	PASS	0.0000057 mA
100 mA	0.0000 mA	-0.0050 mA	0.0006 mA	0.0006 mA	0.0050 mA	PASS	0.000057 mA
1 A	0.000000 A	-0.000100 A	0.000014 A	0.000014 A	0.000100 A	PASS	0.00000057 A
3 A	0.000000 A	-0.000600 A	0.000010 A	0.000010 A	0.000600 A	PASS	0.00000057 A

DC Voltage

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 mV	0.0000 mV	-0.0035 mV	0.0009 mV	0.0009 mV	0.0035 mV	PASS	0.000057 mV
1 V	0.00000 V	-0.00001 V	0.00000 V	0.00000 V	0.00001 V	PASS	0.00000057 V
10 V	0.00000 V	-0.00005 V	0.00000 V	0.00000 V	0.00005 V	PASS	0.0000057 V
100 V	0.0000 V	-0.0006 V	0.0000 V	0.0000 V	0.0006 V	PASS	0.000057 V
1000 V	0.000 V	-0.006 V	0.000 V	0.000 V	0.006 V	PASS	0.000057 V

Resistance (2 Wire)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	0.0000 Ω	-0.0040 Ω	0.0029 Ω	0.0029 Ω	0.0040 Ω	PASS	0.000057 Ω
1 k Ω	0.000000 k Ω	-0.000010 k Ω	0.000003 k Ω	0.000003 k Ω	0.000010 k Ω	PASS	0.00000057 k Ω
10 k Ω	0.00000 k Ω	-0.00010 k Ω	0.00001 k Ω	0.00001 k Ω	0.00010 k Ω	PASS	0.0000057 k Ω
100 k Ω	0.0000 k Ω	-0.0010 k Ω	0.0001 k Ω	0.0001 k Ω	0.0010 k Ω	PASS	0.000057 k Ω
1 M Ω	0.000000 M Ω	-0.000010 M Ω	0.000000 M Ω	0.000000 M Ω	0.000010 M Ω	PASS	0.00000057 M Ω
10 M Ω	0.00000 M Ω	-0.00010 M Ω	0.00000 M Ω	0.00000 M Ω	0.00010 M Ω	PASS	0.0000057 M Ω
100 M Ω	0.0000 M Ω	-0.0010 M Ω	0.0000 M Ω	0.0000 M Ω	0.0010 M Ω	PASS	0.000057 M Ω

Resistance (4 Wire)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	0.0000 Ω	-0.0040 Ω	0.0013 Ω	0.0013 Ω	0.0040 Ω	PASS	0.000057 Ω
1 k Ω	0.000000 k Ω	-0.000010 k Ω	0.000002 k Ω	0.000002 k Ω	0.000010 k Ω	PASS	0.00000057 k Ω
10 k Ω	0.00000 k Ω	-0.00010 k Ω	0.00002 k Ω	0.00002 k Ω	0.00010 k Ω	PASS	0.0000057 k Ω
100 k Ω	0.0000 k Ω	-0.0010 k Ω	0.0002 k Ω	0.0002 k Ω	0.0010 k Ω	PASS	0.000057 k Ω
1 M Ω	0.000000 M Ω	-0.000010 M Ω	0.000000 M Ω	0.000000 M Ω	0.000010 M Ω	PASS	0.00000057 M Ω
10 M Ω	0.00000 M Ω	-0.00010 M Ω	0.00000 M Ω	0.00000 M Ω	0.00010 M Ω	PASS	0.0000057 M Ω
100 M Ω	0.0000 M Ω	-0.0010 M Ω	0.0000 M Ω	0.0000 M Ω	0.0010 M Ω	PASS	0.000057 M Ω



Calibration Report of Agilent 34411A 6 1/2 Digital Multimeter

MPC Control #:	MY46000358	Serial Number:	MY46000358
Asset ID:	95153	Calibration Date:	April 21, 2020

Gain Verification Accuracy

DC Voltage Accuracy

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 mV	100.0000 mV	99.9915 mV	99.9979 mV	99.9979 mV	100.0085 mV	PASS	0.0015 mV
100 mV	-100.0000 mV	-100.0085 mV	-100.0012 mV	-100.0012 mV	-99.9915 mV	PASS	0.0015 mV
1 V	1.000000 V	0.999958 V	0.999993 V	0.999993 V	1.000042 V	PASS	0.000068 V
10 V	10.00000 V	9.99965 V	10.00000 V	10.00000 V	10.00035 V	PASS	0.000043 V
10 V	-10.00000 V	-10.00035 V	-10.00000 V	-10.00000 V	-9.99965 V	PASS	0.000043 V
100 V	100.0000 V	99.9954 V	99.9995 V	99.9995 V	100.0046 V	PASS	0.000040 V
1000 V	1000.0000 V	999.9440 V	1000.0000 V	1000.0000 V	1000.0560 V	PASS	0.0050 V

DC Current Accuracy

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 μ A	100.0000 μ A	99.9250 μ A	100.0058 μ A	100.0058 μ A	100.0750 μ A	PASS	0.011 μ A
1 mA	1.000000 mA	0.999440 mA	1.000027 mA	1.000027 mA	1.000560 mA	PASS	0.000042 mA
10 mA	10.00000 mA	9.99300 mA	10.00511 mA	10.00511 mA	10.00700 mA	PASS	0.00040 mA
100 mA	100.0000 mA	99.9450 mA	100.0471 mA	100.0471 mA	100.0550 mA	PASS	0.0035 mA
1 A	1.000000 A	0.998900 A	0.999950 A	0.999950 A	1.001100 A	PASS	0.000095 A
3 A	2.00000 A	1.99640 A	1.99993 A	1.99993 A	2.00360 A	PASS	0.00018 A

Resistance Accuracy (4 Wire Ohms)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	100.0000 Ω	99.9860 Ω	100.0014 Ω	100.0014 Ω	100.0140 Ω	PASS	0.0010 Ω
1 k Ω	1.000000 k Ω	0.999890 k Ω	1.000023 k Ω	1.000023 k Ω	1.000110 k Ω	PASS	0.000085 k Ω
10 k Ω	10.00000 k Ω	9.99890 k Ω	9.99991 k Ω	9.99991 k Ω	10.00110 k Ω	PASS	0.000085 k Ω
100 k Ω	100.0000 k Ω	99.9890 k Ω	99.9976 k Ω	99.9976 k Ω	100.0110 k Ω	PASS	0.0010 k Ω
1 M Ω	1.000000 M Ω	0.999870 M Ω	0.999932 M Ω	0.999932 M Ω	1.000130 M Ω	PASS	0.000018 M Ω
10 M Ω	10.00000 M Ω	9.99590 M Ω	9.99878 M Ω	9.99878 M Ω	10.00410 M Ω	PASS	0.00037 M Ω
100 M Ω	100.0000 M Ω	99.1990 M Ω	99.2456 M Ω	99.2456 M Ω	100.8010 M Ω	PASS	0.010 M Ω

Resistance Accuracy (2 Wire Ohms)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
100 Ω	100.0000 Ω	99.9860 Ω	100.0116 Ω	100.0116 Ω	100.0140 Ω	PASS	0.0010 Ω
1 k Ω	1.000000 k Ω	0.999890 k Ω	1.000037 k Ω	1.000037 k Ω	1.000110 k Ω	PASS	0.000085 k Ω
10 k Ω	10.00000 k Ω	9.99890 k Ω	9.99987 k Ω	9.99987 k Ω	10.00110 k Ω	PASS	0.000085 k Ω
100 k Ω	100.0000 k Ω	99.9890 k Ω	99.9985 k Ω	99.9985 k Ω	100.0110 k Ω	PASS	0.0010 k Ω
1 M Ω	1.000000 M Ω	0.999870 M Ω	0.999915 M Ω	0.999915 M Ω	1.000130 M Ω	PASS	0.000018 M Ω
10 M Ω	10.00000 M Ω	9.99590 M Ω	9.99765 M Ω	9.99765 M Ω	10.00410 M Ω	PASS	0.00037 M Ω
100 M Ω	100.0000 M Ω	99.1990 M Ω	99.2254 M Ω	99.2254 M Ω	100.8010 M Ω	PASS	0.010 M Ω



Calibration Report of Agilent 34411A 6 1/2 Digital Multimeter

MPC Control #: _____	Serial Number: _____	MY46000358
Asset ID: _____	Calibration Date: _____	April 21, 2020

Frequency Accuracy

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty (±)
40 Hz @ 10 mV	40.00000 Hz	39.97200 Hz	39.99901 Hz	39.99901 Hz	40.02800 Hz	PASS	0.0000000023 Hz
10 kHz @ 7 V	10.00000 kHz	9.99930 kHz	9.99979 kHz	9.99979 kHz	10.00070 kHz	PASS	0.00000000057 kHz

AC Voltage Accuracy

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty (±)
100 mV	100 mV @ 1 kHz	99.9100 mV	99.9586 mV	99.9586 mV	100.0900 mV	PASS	0.019 mV
100 mV	100 mV @ 50 kHz	99.8500 mV	99.9487 mV	99.9487 mV	100.1500 mV	PASS	0.040 mV
100 mV	100 mV @ 300 kHz	98.3000 mV	99.8559 mV	99.8559 mV	101.7000 mV	PASS	0.14 mV
1 V	1 V @ 1 kHz	0.999100 V	0.999582 V	0.999582 V	1.000900 V	PASS	0.00017 V
1 V	1 V @ 50 kHz	0.998500 V	0.999632 V	0.999632 V	1.001500 V	PASS	0.00014 V
1 V	1 V @ 300 kHz	0.983000 V	0.998298 V	0.998298 V	1.017000 V	PASS	0.00056 V
10 V	10 V @ 10 Hz	9.99097 V	9.99706 V	9.99706 V	10.00903 V	PASS	0.0058 V
10 V	10 V @ 1 kHz	9.99100 V	9.99553 V	9.99553 V	10.00900 V	PASS	0.0024 V
10 V	10 V @ 50 kHz	9.98500 V	9.99577 V	9.99577 V	10.01500 V	PASS	0.0057 V
10 V	10 V @ 300 kHz	9.83000 V	9.98772 V	9.98772 V	10.17000 V	PASS	0.11 V
100 V	100 V @ 1 kHz	99.9100 V	99.9593 V	99.9593 V	100.0900 V	PASS	0.017 V
100 V	100 V @ 50 kHz	99.8500 V	99.9622 V	99.9622 V	100.1500 V	PASS	0.026 V
100 V	50 V @ 300 kHz	48.9000 V	49.9488 V	49.9488 V	51.1000 V	PASS	0.17 V
750 V	750 V @ 1 kHz	749.010 V	749.676 V	749.676 V	750.990 V	PASS	0.38 V
750 V	210 V @ 50 kHz	209.415 V	209.906 V	209.906 V	210.585 V	PASS	0.050 V
750 V	70 V @ 300 kHz	65.410 V	69.903 V	69.903 V	74.590 V	PASS	0.20 V

AC Voltage Accuracy (Optional)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty (±)
1 V	1 V @ 10 Hz	0.999070 V	0.999576 V	0.999576 V	1.000930 V	PASS	0.00058 V
1 V	1 V @ 1 kHz	0.999100 V	0.999585 V	0.999585 V	1.000900 V	PASS	0.00017 V
1 V	1 V @ 20 kHz	0.999100 V	0.999600 V	0.999600 V	1.000900 V	PASS	0.00017 V
1 V	1 V @ 50 kHz	0.998500 V	0.999655 V	0.999655 V	1.001500 V	PASS	0.00014 V
1 V	1 V @ 100 kHz	0.995200 V	0.999716 V	0.999716 V	1.004800 V	PASS	0.00032 V
1 V	1 V @ 300 kHz	0.983000 V	0.997745 V	0.997745 V	1.017000 V	PASS	0.00056 V
10 V	10 V @ 1 kHz	9.99100 V	9.99553 V	9.99553 V	10.00900 V	PASS	0.0024 V
10 V	1 V @ 1 kHz	0.99640 V	0.99955 V	0.99955 V	1.00360 V	PASS	0.00017 V
10 V	0.1 V @ 1 kHz	0.09694 V	0.09993 V	0.09993 V	0.10306 V	PASS	0.000019 V



Calibration Report of Agilent 34411A 6 1/2 Digital Multimeter

MPC Control #:	MY46000358	Serial Number:	MY46000358
Asset ID:	95153	Calibration Date:	April 21, 2020

AC Current Accuracy (Optional)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
1 mA	1 mA @ 10 Hz	0.998600 mA	1.000053 mA	1.000053 mA	1.001400 mA	PASS	0.0011 mA
1 mA	1 mA @ 1 kHz	0.998600 mA	1.000022 mA	1.000022 mA	1.001400 mA	PASS	0.00019 mA
1 mA	1 mA @ 5 kHz	0.998600 mA	0.999964 mA	0.999964 mA	1.001400 mA	PASS	0.0011 mA
1 mA	1 mA @ 10 kHz	0.997600 mA	0.999650 mA	0.999650 mA	1.002400 mA	PASS	0.00080 mA
100 mA	100 mA @ 1 kHz	99.8600 mA	100.0681 mA	100.0681 mA	100.1400 mA	PASS	0.019 mA
100 mA	10 mA @ 1 kHz	9.9500 mA	10.0067 mA	10.0067 mA	10.0500 mA	PASS	0.0019 mA
100 mA	1 mA @ 1 kHz	0.9590 mA	1.0013 mA	1.0013 mA	1.0410 mA	PASS	0.00019 mA

Capacitance Accuracy (Optional)

Function Tested	Nominal	Lower Limit	As Found	As Left	Upper Limit	Result	Uncertainty ($\pm$)
1 μ F	1.000000 μ F	0.995000 μ F	0.997300 μ F	0.997300 μ F	1.005000 μ F	PASS	0.00027 μ F
10 μ F	1.000000 μ F	0.986000 μ F	0.995000 μ F	0.995000 μ F	1.014000 μ F	PASS	0.00027 μ F

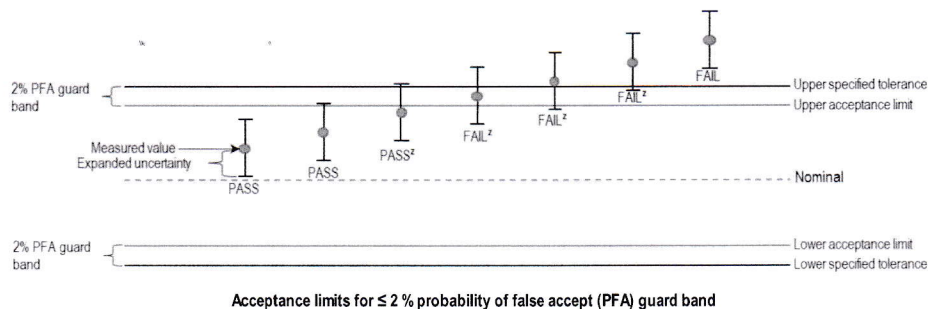
Statements of Pass or Fail Conformance

The uncertainty of measurement has been taken into account when determining compliance with specification, as per ILAC-G8:03/2009.

All measurements and test results guard banded to ensure the probability of false-accept does not exceed 2% in compliance with ANSI/NCSL Z540.3-2006.

The status of compliance with the acceptance criteria is reported as:

- PASS** - Compliant with specification
- FAIL** - Not compliant with specification.
- FAIL^z** - The measured value is not within the acceptance limits. However, a portion of the expanded uncertainty of measurement at 95% is within the specified tolerance.
- PASS^z** - The measured value is within acceptance limits. However, a portion of the expanded uncertainty of measurement at 95% exceeds the specified tolerance.



The expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%, unless otherwise stated.

This calibration report complies with ISO/IEC 17025:2017 and ANSI/NCSL Z540.3 Method 6-Guard Bands based on Test Uncertainty Ratio.

- End of Calibration Report -