



Valid from 27 April 2017
to 26 April 2020
Issued on 12 May 2017

As an accredited laboratory, this laboratory is entitled to
use the following accreditation symbol.



ISO/IEC 17025
CL 003-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: CL 003-01

Calibration Laboratory
SGS Lanka (Pvt) Ltd
No 48, James Peiris Mawatha
Colombo 02.

**Scope of Accreditation: Performing Mechanical calibration (Length, Mass, Volume),
Thermal calibration as per the calibration methods appearing in the schedule.**

The Laboratory is accredited for the following calibrations

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution as applicable	Calibration Measurement Capability (Approximately at 95% Confidence Level)	Location (Site/ In-house)
Mechanical Calibration (Length)						
01	Calibration of Vernier Calipers Digital Calipers Dial Calipers	ISO 1338 :2011 (Part 01 & 02)	0 mm – 150 mm	0.001mm	0.0029 mm	In-house
				0.01mm	0.012 mm	
				0.05 mm	0.03 mm	
				0.1mm	0.06 mm	
				0.5 mm	0.3 mm	
			0 mm – 200 mm	0.05 mm	0.0065 mm	
				0.01 mm	0.012 mm	
				0.1 mm	0.06 mm	
				0.5 mm	0.3 mm	
			0 mm – 600 mm	0.01mm	0.015 mm	
				0.05mm	0.04 mm	
				0.1mm	0.088 mm	
				0.5 mm	0.52 mm	
			0 mm – 1000 mm	0.01 mm	0.014 mm	
				0.05 mm	0.04 mm	
				0.1 mm	0.88 mm	
				0.5 mm	0.52 mm	
			0 mm – 1500 mm	1 mm	0.67 mm	
				0.01 mm	0.016 mm	
				0.05 mm	0.05 mm	
				0.1 mm	0.088mm	
				0.5 mm	0.52 mm	
			0 mm - 2000 mm	1 mm	0.67 mm	
				0.05 mm	0.05 mm	
0.1 mm	0.088 mm					
0.5 mm	0.52 mm					
5 mm	3.0 mm					
02	Calibration of Micrometer	ISO 3611: 2010	0 mm – 25 mm	0.001 mm	0.0011 mm	In-house
				0.01 mm	0.0082 mm	
			0 mm – 50 mm	0.001 mm	0.0012 mm	
				0.01 mm	0.0011 mm	
			0 mm – 75 mm	0.001 mm	0.0013 mm	
				0.01 mm	0.011 mm	
			0 mm – 200 mm	0.01 mm	0.012 mm	
			0 mm - 1000 mm	0.01 mm	0.015 mm	
				0.02 mm	0.022 mm	
			0 mm - 2000 mm	0.02 mm	0.024 mm	
				0.05 mm	0.034 mm	

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution as applicable	Calibration Measurement Capability (Approximately at 95% Confidence Level)	Location (Site/ In-house)
03	Calibration of Circular Fabric Sample Cutter and Circular Paper Sample Cutter	LCAL/TM/SOP/08: Rev 04	0 – 100 cm ²	NA	0.76 cm ²	In-house & External

Mechanical Calibration (Mass)

01	Calibration of Non Automatic Weighing Instruments. (Analytical Balances, Digital Electronic Top loading Balances, Analogue Top Loading Balances, Analogue and Digital weighing scales, Spring balances, Triple beam balances and Push pull gauges.)	LCAL/TM/SOP-15 Rev.02	Up to 110 g	0.1 mg	0.12 mg	External/ in-house
				1 mg	0.9 mg	
				10 mg	0.0058 g	
				100 mg	0.058 g	
			Up to 220 g.	0.1 mg	0.15 mg	External/ in-house
				1 mg	0.81 mg	
				10 mg	0.0058 g	
				100 mg	0.058 g	
			Up to 600 g.	0.1 mg	0.33 mg	External/ in-house
				1 mg	0.95 mg	
				10 mg	0.0058 g	
				100 mg	0.058 g	
			Up to 1100 g	0.1 mg	0.51 mg	External/ in-house
				1 mg	0.0011 g	
				10 mg	0.0058 g	
				0.1 g	0.058 g	
				1 g	0.58 g	
				2 g	1.2 g	
			Up to 2000 g	1 mg	0.0014 g	On-site /In-house
				0.01 g	0.0059 g	
				0.1 g	0.058 g	
1 g	0.58 g					
2 g	1.2 g					
5 g	2.9 g					
Up to 6100 g	1 mg	0.0033 g	On-site /In-house			
	0.01 g	0.0066 g				
	0.1 g	0.058 g				
	1 g	0.58 g				
	2 g	1.2 g				
	5 g	2.9 g				

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution as applicable	Calibration Measurement Capability (Approximately 95% Confidence Level)	Location (Site/ In-house)
	Calibration of Non Automatic Weighing Instruments. (Analytical Balances, Digital Electronic Top loading Balances, Analogue Top Loading Balances, Analogue and Digital weighing scales, Spring balances, Triple beam balances and Push pull gauges.)		Up to 10000 g	0.001 g	0.0051 g	On-site /In-house
				0.01 g	0.0077 g	
				0.1 g	0.058 g	
				1 g	0.58 g	
				2 g	1.2 g	
				5 g	2.9 g	
			Up to 55000 g.	10 g	5.8 g	
				1 g	0.59 g	
				2 g	1.5 g	
				5 g	2.9 g	
				10 g	5.8 g	
				20 g	12 g	
				50 g	29 g	
100 g	58 g					

Mechanical Calibration (Volume)

01	Calibration of Volumetric Glassware apparatus (Single Marked) One Marked Pipettes	ISO 4787	10 ml	NA	0.039 ml	In-house
			25 ml		0.040 ml	
			50 ml		0.077 ml	
			100 ml		0.077 ml	
			200 ml		0.115 ml	
	One marked Volumetric flask		10 ml	NA	0.077 ml	
			25 ml		0.077 ml	
			50 ml		0.153 ml	
			100 ml		0.115 ml	
			200 ml		0.191 ml	
	Calibration of Volumetric Glassware apparatus (Graduated) Burettes, Measuring Cylinders, Graduated pipettes		10 ml	0.1 ml	0.059 ml	
				1 ml	0.58 ml	
			50 ml	1 ml	0.82 ml	
				1 ml	0.58 ml	
			100 ml	10 ml	8.2 ml	
2 ml		1.2 ml				
200 ml		10 ml	5.8 ml			

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution as applicable	Calibration Measurement Capability (Approximately at 95% Confidence Level)	Location (Site/ In-house)
Thermal Calibration (Calibration of Temperature Chambers -Three set points)						
01	Chamber	LCAL/TM/SOP-01: Rev 09	50 °C – 200 °C	NA	0.85 °C	External / In-house
			200°C – 600 °C		1.2 °C	
	Oven (Single site, three site and multisite)		50 °C – 200 °C		0.85 °C	External / In-house
			200°C – 600°C		1.2 °C	
	Incubator (Single site, three site and multisite)		0 °C – 90°C		0.52 °C	External / In-house
	Dryer		400 °C – 600 °C		1.2 °C	External / In-house
	Liquid Bath		-40 °C - 100 °C		0.03 °C	External / In-house
Industrial Retorts	50 °C – 150 °C	0.32 °C	External / In-house			
02	Calibration of Muffle/ Tube Furnaces	LCAL/TM/SOP-013 :Rev 01	50°C to 1200 °C	NA	0.85 °C	External / In-house
03	Performance Test of Auto Clave	LCAL/TM/SOP-014 :Rev 01	50 °C to 150 °C	NA	0.31 °C	External / In-house
04	Calibration Of Digital Thermometer together with a Sensor	LCAL/TM/SOP-011: Rev 01	-45 °C to 140 °C	0.001 °C	0.012 °C	External / In-house
				0.01 °C	0.018 °C	
				0.05 °C	0.04 °C	
				0.1 °C	0.06 °C	
				0.2 °C	0.12 °C	
				0.5 °C	0.29 °C	
				1 °C	0.59 °C	
			50 °C to 200 °C	0.001 °C	0.019 °C	
				0.01 °C	0.03 °C	
				0.05 °C	0.05 °C	
				0.1 °C	0.07 °C	
				0.2 °C	0.12 °C	
				0.5 °C	0.29 °C	
				1 °C	0.59 °C	
			50 °C to 420 °C	0.01 °C	0.08 °C	
				0.05 °C	0.05 °C	
				0.1 °C	0.07 °C	
0.2 °C	0.12 °C					
0.5 °C	0.29 °C					
1 °C	0.59 °C					

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution as applicable	Calibration Measurement Capability (Approximately at 95% Confidence Level)	Location (Site/ In-house)
	Calibration Of Digital Thermometer together with a Sensor	LCAL/TM/SOP-011: Rev 01	50 °C to 650 °C	0.01 °C	0.05 °C	External / In-house
				0.05 °C	0.05 °C	
				0.1 °C	0.07 °C	
				0.2 °C	0.12 °C	
				0.5 °C	0.29 °C	
				1 °C	0.59 °C	
05	Calibration of Analogue Thermometer together with a Sensor	LCAL/TM/SOP-012: Rev 01	-45 °C to 140 °C	0.5 °C	0.39 °C	External / In-house
				1 °C	0.59 °C	
				2 °C	1.2 °C	
				2.5 °C	1.5 °C	
				5 °C	2.9 °C	
				10 °C	5.8 °C	
				20 °C	12 °C	
			25 °C	15 °C		
			50 °C to 660 °C	0.5 °C	0.53 °C	
				1 °C	0.68 °C	
				2 °C	1.3 °C	
				2.5 °C	1.5 °C	
				5 °C	3 °C	
				10 °C	5.8 °C	
20 °C	12 °C					
25 °C	15 °C					
06	Calibration of Dial Thermometers	LCAL/TM/SOP-010: Rev 01	-45 °C to 140 °C	0.01 °C	0.018 °C	External / In-house
				0.05 °C	0.04 °C	
				0.1 °C	0.08 °C	
				0.2 °C	0.16 °C	
				0.5 °C	0.29 °C	
				1 °C	0.59 °C	
				2 °C	1.2 °C	
				5 °C	2.9 °C	
10 °C	5.8 °C					

SI No.	Parameter/ Measured Quantity/ Instrument or Gauge	Method of Calibration	Range	Readability / Resolution / as applicable	Calibration Measurement Capability (Approximately at 95% Confidence Level)	Location (Site/ In-house)
	Calibration of Dial Thermometers	LCAL/TM/SOP-010: Rev 01	50 °C to 660 °C	0.02 °C	0.03 °C	External / In-house
				0.05 °C	0.05 °C	
				0.1 °C	0.08 °C	
				0.2 °C	0.18 °C	
				0.5 °C	0.29 °C	
				1 °C	0.59 °C	
				2 °C	1.2 °C	
				2.5 °C	1.5 °C	
				5 °C	2.9 °C	
				10 °C	5.8 °C	
				20 °C	12 °C	
				25 °C	15 °C	
07	Calibration of Microwave oven	LCAL/TM/TE-18: Rev 01	700 W	NA	2.9 W	External / In-house

Deputy Director (Accreditation)

Sri Lanka Accreditation Board for Conformity Assessment