Valid from 29 July 2022
to 16 May 2024
Issued on 29 July 2022

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

ISO/ IEC 17025
CL 012-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: CL 012-01

WAGA Calibration Services (Pvt) Ltd

275B, Railway Road
Maharagama

Scope of Accreditation: Performing Mechanical calibration (Force, Pressure, Mass, Length), Thermal and Optical calibration and Machine performance on Mechanical, Thermal, Time & Frequency as per the calibration methods appearing in the schedule.

The laboratory is accredited for the following calibrations.

SI No.	Type of Instrument	Calibration Performed	Calibration methods / Measurement Procedure	Range of Calibration	Calibration Measurement Capability	Location
1. Pressure						
1.1	Pneumatic Pressure Gauges	Measurement of differential pressure gauge	WAGA/CM/011	-75 to -37.5 mbar -37.5 to 37.5 mbar 37.5 to 75 mbar	0.46 mbar 0.04 mbar 0.46 mbar	In-house / Site
		Measurement of static gauge pressure		0 to 40 bar	0.004 bar	
				0 to 100 bar	0.01 bar	
1.2	Hydraulic Pressure Gauges	Measurement of static gauge pressure		0 to 700 bar	0.01 bar	
				0 to 1000 bar	0.06 bar	
2. Temperature						
2.1	Digital thermometer with probe	Direct comparison under controlled conditions	WAGA/CM/005	-30 to 150 °C	0.19 °C	In-house / Site
				150 to 200 °C	0.33 °C	
				200 to 600 °C	0.41 °C	
3. Mass						
3.1	Analytical Balances, Digital electronic top loading balances, Analogue top loading balances	Conventional weighing	WAGA/CM/004	0 to 200 g	0.022 mg	In-house / Site
				200 to 700 g	0.18 mg	
				700 g to 6 kg	1.8 mg	
				6 kg to 20 kg	0.018 g	
				20 kg to 50 kg	0.31 g	

SI No.	Type of Instrument	Calibration Performed	Calibration methods / Measurement Procedure	Range of Calibration		Calibration Measurement Capability	Location
4. Force							
4.1	Uniaxial force testing machine	Measurement of static force in tensile and compression modes	WAGA/CM/012	0 N – 5kN 0 -100 kN Class 0.5, 1,2 & 3 machines		0.6 – 2.0 % 0.8 – 7.6 %	Site
		Measurement of static force in compression modes		0 N to 300 kN 0 N to 2000 kN		0.1 to 2.6 % 0.3 to 0.5 %	
5. Optical							
5.1	Color assessment cabinet	Colour temperature	WAGA/CM/002	D65	6200 – 6800 K	±74 K	In-house / Site
				CWF	3700 – 4430 K	± 51 K	
				Inca A	2550 – 3150 K	± 41 K	
				TL84	2700 – 4300 K	± 42 K	
				U35	3200 – 3800 K	± 47 K	
				Horizon	2000 – 2600 K	± 36 K	
				D65 with UV	6200 – 6800 K	± 74 K	
				U30	2700 – 3300 K	± 42 K	
				TL83	2700 – 3300 K	± 42 K	
				F	2200 – 2800 K	± 38 K	
				D50	4703 – 5303 K	± 60 K	
		Illuminance		D65	900 – 2600 Lx	± 17 Lx	
				CWF	1200 – 3100 Lx	± 22 Lx	
				Inca A	900 – 2850 Lx	±17 Lx	
				TL84	1600 – 3900 Lx	± 29 Lx	
				U35	2200 – 3400 Lx	± 39 Lx	
				Horizon	500 – 1700 Lx	± 10 Lx	
				D65 with UV	900 – 2600 Lx	± 17 Lx	
				U30	1700 – 3700 Lx	± 30 Lx	
				TL83	1700 – 3700 Lx	± 30 Lx	
				F	400 – 2300 Lx	± 8 Lx	
				D50	1400 – 3100 Lx	± 25 Lx	
Performance verification in textile machines							
6	Sample cutter	Linear measurement (Area calculation)	WAGA/CM/006	0 to 150 mm		0.01 mm	In-house / Site
7	Crock meter	Force measurement	WAGA/CM/001	1 to 11 N		0.01 N	In-house / Site
		Linear measurement		5 to 110 mm (Stroke)		0.02 mm	
				5 to 20 mm (peg. dia.)		0.02 mm	
		Speed measurement		10 to 100 rpm		2.4 rpm	
8	Reference washing machines (including Wascator)	Temperature measurement	WAGA/CM/010	0 to 100 ºC		0.3 ºC	Site
		Linear measurement		50 to 200 mm		1.3 mm	
		Time measurement		1 sec to 300 min		1.1 sec	
		Speed measurement		50 to 2500 rpm		3.6 rpm	

SI No.	Type of Instrument	Calibration Performed	Calibration methods / Measurement Procedure	Range of Calibration	Calibration Measurement Capability	Location
9	Tumble dryers	Temperature measurement	WAGA/CM/009	0 to 100 ºC	0.2 ºC	Site
		Time measurement		1 sec to 300 min	1.3 sec	
		Speed measurement		40 to 1000 rpm	3.6 rpm	
10	Pilling Snagging tester (Box & Drum)	Linear measurement	WAGA/CM/008	5 to 320 mm	0.03 mm	Site
		Speed measurement		6 to 5000 rpm	3.6 rpm	
		Time measurement		1 sec to 45 min	1.3 sec	
		Pressure measurement		0 to 10 bar	0.07 bar	
11	Abrasion Machine (including Marinade)	Mass	WAGA/CM/007	100 to 3000 g	0.05 g	Site
		Linear measurement		0.5 to 150 mm	0.02 mm	
		Speed measurement		20 to 100 rpm	3.6 rpm	

C.N. Ghose

Director / CEO
Sri Lanka Accreditation Board for Conformity Assessment