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

Valid from 11 December 2024
to 16 May 2028
Issued on 17 January 2025

ISO/ IEC 17025
CL 012 - 01

Schedule of Accreditation

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

Accreditation Number: CL 012 – 01

WAGA Calibration Services (Pvt) Ltd
173, High Level Road, Maharagama

Scope of Accreditation: Performing calibrations Mechanical (Mass and Volume), Optical &Temperature

The laboratory is accredited for the following tests appears from page 02

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration method s / Measurement procedure	Range of calibration	Calibration Measurement Capability	Location (Site/ In house)
1. Optical						
1.1	Color Assessment Cabinet (D65, CWF, Inca A, TL 84, U35, Horizon, U30, TL 83, F, D50, D65 with UV light source)	Color temperature	WAGA/ CM/002	2000 K to 7000 K	96 K	In-house / Site
		Illuminance		400 Lux to 4000 Lux	31 Lux	In-house / Site
1.2	Illuminance Meters	Illuminance Measurement (using filler frames)	WAGA/ CM/039	2 Lux (1.200 Lux to 2.100 Lux) 20 Lux (16.00 Lux to 20.00 Lux) 200 Lux (160 Lux to 190 Lux) 2000 Lux (2100 Lux to 2400 Lux) 20000 Lux (16000 Lux to 18000 Lux)	6.7 % 4.0 % 4.0 % 4.5 % 10.3 %	In-house

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration methods / Measurement procedure	Range of calibration	Calibration Measurement Capability	Location (Site/ In house)
2. Temperature						
2.1	Digital Thermometer with probe	Direct comparison under controlled conditions	WAGA/CM/ 005	-30 ºC to 420 ºC	0.14 ºC	In- house/ Site
				> 420 ºC to 600 ºC	0.16 ºC	
2.2	Dial Thermometer	Direct comparison under controlled conditions	WAGA/CM/ 029	-30 ºC to 150 ºC	0.20 ºC	In- house/ Site
				> 150 ºC to 200 ºC	0.66 ºC	
				> 200 ºC to 600 ºC	0.70 ºC	
2.3	Temperature Indicators and Simulators by Electrical Simulation and Measurement	Electrical stimulation of temperature indicators/controllers intended to be used with thermocouple				
		Thermocouple Type	WAGA/CM/ 023			
		K		-200 ºC to 1350 ºC	0.37 ºC	In- house/ Site
		J		-200 ºC to 1200 ºC	0.38 ºC	
		T		-200 ºC to 400 ºC	0.36 ºC	
		R		0 ºC to 1750 ºC	0.39 ºC	
		S		0 ºC to 1750 ºC	0.39 ºC	
		B		600 ºC to 1800 ºC	0.40 ºC	
		E		-200 ºC to 1000 ºC	0.37 ºC	
		N		-200 ºC to 1300 ºC	0.37 ºC	
		Electrical stimulation of temperature indicators/controllers intended to be used with PRT				
		PT 100	WAGA/CM/ 023	-180 ºC to 800 ºC	0.063 ºC	In-house/ Site
		Electrical stimulation of Temperature simulator intended to be used with thermocouple				
		Thermocouple Type	WAGA/CM/ 023			
		K		-200 ºC to 1350 ºC	0.20 ºC	In- house/ Site
		J		-200 ºC to 1200 ºC	0.18 ºC	
		T		-200 ºC to 400 ºC	0.16 ºC	
		R		0 ºC to 1750 ºC	0.18 ºC	
		S		0 ºC to 1750 ºC	0.21 ºC	
		B		600 ºC to 1800 ºC	0.21 ºC	
		E		-200 ºC to 1000 ºC	0.17 ºC	
		N		-200 ºC to 1300 ºC	0.16 ºC	
		Electrical stimulation of temperature simulator intended to be used with PRT/RTD				
		PT 100	WAGA/CM/023	-200 ºC to 800 ºC	0.19 ºC	In- house/ Site
2.4	Temperature Enclosures – Nine Point	Multi point temperature verification	WAGA/C M/020	-30 ºC to 300 ºC	0.39 ºC	In- house/ Site
2.5	Temperature Enclosures – Three Point	Three-point temperature verification	WAGA/C M/041	-30º C to 300 ºC	0.39 ºC	In- house/ Site
2.6	Muffle/Tube Furnace	Temperature verification	WAGA/CM/ 045	100 ºC to 1200 ºC	2.8 ºC	Site

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration methods / Measurement procedure	Range of calibration	Calibration Measurement Capability	Location (Site/ In house)
2.7	Thermocouples	Direct comparison under controlled conditions	WAGA/CM/015	150ºC to 1200 ºC	3.2 ºC	In-house
2.8	Liquid Baths	Performance verification in temperature	WAGA/CM/042	25 ºC to 100 ºC (center) 25 ^{0}C to 100 ^{0}C (conner)	0.19 ^{0}C 0.73 ºC	In-house/ Site
2.9	Hygrometers	Direct comparison under controlled conditions Temperature	WAGA/CM/047	10 ºC to 45 ºC (@ 40 %, 50 %, 60 %)	0.53 ºC	In-house
		Humidity		30 % to 90 % (@ 20 ºC, 25 ºC,30 ºC)	1.8 %	
2.10	Humidity Chambers	Calibration in Temperature	WAGA/CM/016	10 ºC to 60 ºC	0.74 ºC	In-house/ Site
		Humidity by direct comparison		10 % to 90 %	2.7 %	
2.11	Autoclave	Temperature Measurement	WAGA/CM/050	20 ºC to 140 ºC	0.16 ºC	In-house/ Site
		Time Measurement		1 min to 60 min	0.7 sec	
		Pressure Measurement		0 to 5 bar	0.0086 bar	
3. Mass and Volume						
3.1	Analytical balances, Digital electronic top loading balances, Analogue top loading balance	Conventional weighing	WAGA/CM/004	0 to 6 g	0.06 mg	In- house/ Site
				>6 g to 200 g	0.35 mg	
				>200 g to 1.5 kg	1.5 mg	
				>1.5 kg to 6 kg	5.4 mg	
				>6.0 kg to 10.0 kg	0.03 g	
				>10 kg to 50 kg	0.32 g	
3.2	Weighing Scales	Conventional mass values	WAGA/CM/044	0 kg to 200 kg >200 kg to 400 kg	0.048 kg 0.058 kg	In house / Site
				>400 kg to 600 kg	0.073 kg	
				>600 kg to 800 kg	0.089 kg	
				>800 kg to 1000 kg	0.11 kg	
3.3	Determination of Conventional Mass Value: Class E2, F1 and below Class F1	Based on double substitution method (ABBA) OIML R 111 and MSL Technical Guide 7	WAGA/CM/003	**Class E2, F1 and below F1**		
				1 mg	0.002 mg	
				2 mg	0.002 mg	
				5 mg	0.002 mg	
				10 mg	0.002 mg	
				20 mg	0.002 mg	
				50 mg	0.002 mg	

SI No	Type of Instrument / Gauge	Calibration performed/ Measured Quantity	Calibration methods / Measurement procedure	Range of calibration	Calibration Measurement Capability	Location (Site/ In house)
3.3	Determination of Conventional Mass Value: Class E2, F1 and below Class F1	Based on double substitution method (ABBA) OIML R 111 and MSL Technical Guide 7	WAGA/CM/ 003	**Class E2, F1 and below F1**		In house
				100 mg	0.002 mg	
				200 mg	0.002 mg	
				500 mg	0.003 mg	
				1 g	0.003 mg	
				2 g	0.004 mg	
				5 g	0.004 mg	
				10 g	0.016 mg	
				20 g	0.016 mg	
				50 g	0.019 mg	
				100 g	0.028 mg	
				200 g	0.038 mg	
				Class F1 and below F1		
				500 g	1.5 mg	In house
				1000 g	1.5 mg	
				2000 g	1.9 mg	
				5000 g	2.8 mg	
				Class F2 and below F2		
				10 kg	0.015 g	In house
				20 kg	0.12 g	
3.4	Laboratory glassware	Determination of volume by gravimetric method in One mark pipette / Graduated pipette / Burette	WAGA/CM /038	0 to 1 ml > 1 ml to 5 ml >5 ml to 25 ml >25 ml to 100 ml	0.003 ml 0.004 ml 0.006 ml 0.013 ml	In house
		Graduated measuring cylinder Graduated beaker		0 to 25 ml >25 ml to 100 ml >100 ml to 250 ml >250 ml to 500 ml >500 ml to 1000 ml >1000 ml to 2000 ml	0.029 ml 0.058 ml 0.17 ml 0.32 ml 0.60 ml 1.2 ml	In house
3.4	Laboratory glassware	Volumetric flask Conical flask	WAGA/CM /038	0 ml to 100 ml >100 ml to 250 ml >250 ml to 500 ml >500 ml to 1000 ml >1000 ml to 2000 ml	0.030 ml 0.034 ml 0.12 ml 0.13 ml 0.15 ml	In house
3.5	Piston	Determination of	WAGA/CM	200 µl to 400 µl	1.9 µl	In house

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3.4	Laboratory glassware	Volumetric flask Conical flask	WAGA/CM /038	0 ml to 100 ml >100 ml to 250 ml >250 ml to 500 ml >500 ml to 1000 ml >1000 ml to 2000 ml	0.030 ml 0.034 ml 0.12 ml 0.13 ml 0.15 ml	In house
3.5	Piston Operated pipettes	Determination of volume by gravimetric method in Piston Operated pipettes	WAGA/CM /222	200 µl to 400 µl >400 µl to 1000 µl	1.9 µl 3.8 µl	In house

Acting Director / CEO
Sri Lanka Accreditation Board for Conformity Assessment