



Valid from 17 May 2023
to 16 May 2026
Issued on 17 May 2023

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



ISO/ IEC 17025
CL 021-01

Schedule of Accreditation

Accreditation Scheme for Calibration Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: CL 021-01

Bureau Veritas Consumer Products Services Lanka (Pvt) Ltd
No.270, Dehiwala Road, Bellanwila

Scope of Accreditation: Performing Mechanical (Mass, Dimension), Thermal, Volume, Time & frequency calibrations as per in-house methods

The laboratory is accredited for the following calibrations.

SI No.	Type of Instrument	Calibration performed	Calibration methods / Measurement procedures	Range of calibration	Calibration Measurement Capability	Location	
1. Thermal							
1.1	Digital Thermometers	Direct Comparison	CAL/SOP/TM/003	-45 °C to 140 °C	0.017 °C	On-Site/In-House	
				140 to 200 °C	0.048 °C		
				200 to 350 °C	0.065 °C		
1.2	Dial Thermometers	Direct Comparison	CAL/SOP/TM/005	-45 °C to 125 °C	0.081 °C	On-Site/In-House	
				140 to 200 °C	0.11 °C		
				200 to 350 °C	0.12 °C		
1.3	Temperature Indicators & Controllers (Thermocouple sensor/RTD Sensor)	mV simulation of Temperature					On-Site/In-House
		Type T	CAL/SOP/TM/011	-200 to 0 °C	0.37 °C		
				0 to 400 °C	0.29 °C		
		Type K		-200 to 0 °C	0.36 °C		
				0 to 500 °C	0.31 °C		
		Type J		500 to 1300 °C	0.37 °C		
				-200 to 0 °C	0.31 °C		
				0 to 760 °C	0.28 °C		
		Type E		760 to 1200 °C	0.30 °C		
-200 to 0 °C	0.30 °C						
0 to 950 °C	0.28 °C						

SI No.	Type of Instrument	Calibration performed	Calibration methods / Measurement procedures	Range of calibration	Calibration Measurement Capability	Location
1.3	Temperature Indicators & Controllers (Thermocouple sensor/RTD Sensor)	Type R	CAL/SOP/TM/011	-20 to 250 °C	1.2 °C	On-Site/In-House
				250 to 1064 °C	0.72 °C	
				1064 to 1664.5 °C	0.62 °C	
				1664.5 to 1750 °C	0.65 °C	
		Type S		-20 to 250 °C	1.2 °C	
				250 to 1064 °C	0.80 °C	
				1064 to 1664.5 °C	0.70 °C	
				1664.5 to 1750 °C	0.75 °C	
		Type B		600 to 700 °C	1.7 °C	
				700 to 1800 °C	0.86 °C	
		Type N		-200 to 0 °C	0.47 °C	
				0 to 500 °C	0.31 °C	
		500 to 1300 °C		0.40 °C		
		Resistance simulation of Temperature				
Pt 100 (385)	CAL/SOP/TM/011	-200 to 800 °C	0.77 °C	On-Site/In-House		
Pt 100 (3926)		-200 to 630 °C	0.75 °C			
Pt 200		-200 to 630 °C	0.84 °C			
Pt 500		-200 to 630 °C	0.86 °C			
Pt 1000		-200 to 630 °C	0.76 °C			
Ni 120		-80 to 260 °C	0.44 °C			
1.4	Liquid in Glass thermometers	Direct Comparison	CAL/SOP/TM/009	-30 to 125 °C	0.073 °C	In-House
				125 °C to 200 °C	0.17 °C	
1.5	Muffel Furnace	Verification of Temperature	CAL/SOP/TM/001	200 – 1000 °C	1.2% of Reading	On-Site
1.6	Water Baths	Performance Verification	CAL/SOP/TM/006	40 to +100 °C	0.33 °C	On-Site
1.7	Incubators	Performance Verification	CAL/SOP/TM/007	0 to 75 °C	0.65 °C	On-Site
1.8	Ovens	Performance Verification	CAL/SOP/TM/008	40 to +125 °C	0.28 °C	On-Site
				+125 to 200 °C	0.29 °C	
1.9	Refrigerated Storage Chambers	9 point performance verification of useful volume (temperature)	CAL/SOP/TM/002	-45 °C to 25 °C	0.67 °C	On-Site
1.10	Heat Press/ Heat Fusing/ Heat seal machine	Temperature verification	CAL/SOP/TM/010	40 to +100 °C	0.12 °C	On-Site
				+100 to 300 °C	0.65 °C	
1.11	Dryers	Exhaust Temperature verification	CAL/SOP/TM/012	40 to +200 °C	0.13 °C	On-Site
1.12	Tumble Dryers	Exhaust Temperature verification	CAL/SOP/TM/013	40 to +200 °C	0.13 °C	On-Site
		Rotational Speed Verification		10 to 1000 RPM	0.55 RPM	On-Site
1.13	Industrial Dryer	Temperature Verification	CAL/SOP/TM/014	30 °C to 300 °C	0.26 °C	On-Site
2. Mechanical (Mass)						
2.1	Non-Automatic Weighing Instruments					
	Resolution	Conventional Weighing with OIML R 111 Class Weights	CAL/SOP/MM/002			On-Site
	0.00001 g			1 mg – 200 g	0.034 mg	
	0.0001 g			1 mg – 300 g	0.097 mg	
	0.001 g			10 mg – 10 000 g	1.3 mg	
	0.002 g			20 mg – 10 000 g	2.5 mg	
	0.005 g			50 mg – 20 000 g	5.6 mg	
	0.01 g			0.1 g – 50 000 g	13 mg	
	0.02 g			0.2 g – 50 000 g	20 mg	
	0.05 g and beyond			0.5 g – 50 000 g	43 mg	

SI No.	Type of Instrument	Calibration performed	Calibration methods / Measurement procedures	Range of calibration	Calibration Measurement Capability	Location
2.2	Standard Weights					
	Class F1	Double Substitution Method (ABBA) of Comparison	CAL/SOP/MM/001	100 mg	0.017 mg	In-House
				200 mg	0.017 mg	
				500 mg	0.017 mg	
				1 g	0.017 mg	
				2 g	0.016 mg	
				5 g	0.017 mg	
				10 g	0.017 mg	
				20 g	0.020 mg	
				50 g	0.021 mg	
				100 g	0.024 mg	
	200 g	0.090 mg				
	Class F2	Double Substitution Method of Comparison	CAL/SOP/MM/001	100 mg	0.017 mg	In-House
				200 mg	0.017 mg	
				500 mg	0.017 mg	
				1 g	0.017 mg	
				2 g	0.016 mg	
				5 g	0.017 mg	
				10 g	0.017 mg	
				20 g	0.020 mg	
				50 g	0.021 mg	
100 g				0.025 mg		
200 g	0.090 mg					
2.3	Moisture Analyzers/Balances	Conventional Weighing with OIML R 111 Class Weights	CAL/SOP/MM/003	1 mg – 300 g	0.097 mg	On-site
		Temperature Verification		25 °C – 200 °C	0.4 °C	
3. Mechanical (Dimension)						
3.1	Calipers	Direct Comparison with Gauge Blocks	CAL/SOP/DM/001	1 – 100 mm	1.4 µm	In-House
				100 – 300 mm	2.1 µm	
				300 – 1000 mm	8.0 µm	
3.2	External – Micrometers	Direct Comparison with Gauge Blocks	CAL/SOP/DM/004	2.5 to 25 mm	0.67 µm	In-House
				25 to 50 mm	0.87 µm	
				50 to 75 mm	1.2 µm	
				75 to 100 mm	1.4 µm	
				100 to 125 mm	1.7 µm	
				125 to 150 mm	1.9 µm	
				150 to 175 mm	2.0 µm	
				175 to 200 mm	2.0 µm	
200 to 225 mm	2.1 µm					
3.3	Dial Gauges – Plunger type	Direct Comparison	CAL/SOP/DM/002	0.0002 to 25 mm	1.7 µm	In-House
3.4	Thickness Gauges	Direct comparison with Gauge Blocks	CAL/SOP/DM/003	0.005 to 25 mm	0.63 µm	In-House
3.5	Steel Rulers	Direct Comparison	CAL/SOP/DM/006	0 to 1000 mm	1.2 mm	In-House

SI No.	Type of Instrument	Calibration performed	Calibration methods / Measurement procedures	Range of calibration	Calibration Measurement Capability	Location
4. Volume						
4.1	Volumetric Glassware					
4.1.1	Burette	Gravimetric Method	CAL/SOP/VM/001	5 ml	16 µl	In-House
				10 ml	18 µl	
				25 ml	28 µl	
				50 ml	62 µl	
				100 ml	63 µl	
4.1.2	One-marked Pipettes	Gravimetric Method	CAL/SOP/VM/001	0.5 ml	5 µl	In-House
				1 ml		
				2 ml		
				3 ml		
				4 ml		
				5 ml		
				6 ml		
				7 ml		
				8 ml	9 µl	
				10 ml		
				15 ml		
				20 ml		
				25 ml		
				30 ml		
				40 ml		
50 ml	12 µl					
100 ml	17 µl					
4.1.3	Graduated Pipettes	Gravimetric Method	CAL/SOP/VM/001	1.0 ml (0.2 ml, 0.4 ml, 0.6 ml, 0.8 ml, 1.0 ml)	2 µl	In-House
				2.0 ml (0.4 ml, 0.8 ml, 1.2 ml, 1.6 ml, 2.0 ml)	5 µl	
				5.0 ml (1 ml, 2 ml, 3 ml, 4 ml, 5 ml)	9 µl	
				10.0 ml (2 ml, 4 ml, 6 ml, 8 ml, 10 ml)	16 µl	
				25 ml (5 ml, 10 ml, 15 ml, 20 ml, 25 ml)	28 µl	
				50 ml (10 ml, 20 ml, 30 ml, 40 ml, 50 ml)	54 µl	
4.1.4	Volumetric Flasks (Regular)	Gravimetric Method	CAL/SOP/VM/001	5 ml	19 µl	In-House
				10 ml		
				25 ml		
				50 ml	28 µl	
				100 ml	42 µl	
4.1.5	Volumetric Flasks (Wide Mouth)	Gravimetric Method	CAL/SOP/VM/001	5 ml	41 µl	In-House
				10 ml		
				25 ml		
				50 ml		
				100 ml	62 µl	

SI No.	Type of Instrument	Calibration performed	Calibration methods / Measurement procedures	Range of calibration	Calibration Measurement Capability	Location
4.1.6	Measuring Cylinders	Gravimetric Method	CAL/SOP/VM/001	10 ml (2 ml, 4 ml, 6 ml, 8 ml, 10 ml)	28 µl	In-House
				25 ml (5 ml, 10 ml, 15 ml, 20 ml, 25 ml)	62 µl	
				50 ml (10 ml, 20 ml, 30 ml, 40 ml, 50 ml)	0.15 ml	
				100 ml (20 ml, 40 ml, 60 ml, 80 ml, 100 ml)	0.22 ml	
4.1.7	Standard Test measures and Beakers	Gravimetric Method	CAL/SOP/VM/001	10 ml	0.12 ml	In-House
				20 ml	0.22 ml	
				30 ml	0.27 ml	
				50 ml	0.38 ml	
				100 ml	0.58 ml	
4.1.8	Piston Operated Pipettes	Gravimetric Method	CAL/SOP/VM/002	10 – 100 µl	0.15 µl	In-House
				20 – 200 µl	0.17 µl	
				100 – 1000 µl	0.50 µl	
				500 – 5000 µl	2.4 µl	
				1000 – 10 000 µl	4.8 µl	
5. Time & Frequency						
5.1.	Tachometers	Signal Simulation	CAL/SOP/GM/001	10 – 50 RPM	0.058 RPM	In-House
				50 – 100 RPM	0.06% of the reading	
				100 – 500 RPM	0.02% of the reading	
				500 – 12,000 RPM	0.01% of the reading	
5.2.	RPM of Rotors	Non-Contact RPM Measurement	CAL/SOP/GM/003	10 – 100 RPM	1.2 % of the reading	On-Site
				100 – 1000 RPM	0.2% of the reading	
				100 – 12,000 RPM	0.1 % of the reading	

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment