



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

Valid from 17 May 2021  
to 16 May 2024  
Issued on 17 May 2021



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        |
|-----------------------|---|---|---|----------------------|------------------------------------|-----------------|
| <b>1. Pressure</b>    |   |   |   |                      |                                    |                 |
| 1.1                   | Pneumatic Pressure Gauges   | Measurement of differential pressure gauge    | WAGA/CM/011                                 | -75 to -37.5 mbar    | 0.46 mbar                          | In-house / Site |
|                       |   |   |   | -37.5 to 37.5 mbar   | 0.04 mbar                          |                 |
|                       |   |   |   | 37.5 to 75 mbar      | 0.46 mbar                          |                 |
| 1.2                   | Hydraulic Pressure Gauges   | Measurement of static gauge pressure          | WAGA/CM/011                                 | 0 to 40 bar          | 0.01 bar                           | In-house / Site |
|                       |   |   |   | 0 to 100 bar         | 0.03 bar                           |                 |
|                       |   |   |   | 0 to 700 bar         | 0.17 bar                           |                 |
|                       |   |   |   | 0 to 1000 bar        | 0.24 bar                           |                 |
| <b>2. Temperature</b> |   |   |   |                      |                                    |                 |
| 2.1                   | Digital thermometer with probe  | Direct comparison under controlled conditions | WAGA/CM/005                                 | -30 to 100 °C        | 0.11 °C                            | In-house / Site |
|                       |   |   |   | 100 to 400 °C        | 0.19 °C                            |                 |
|                       |   |   |   | 400 to 600 °C        | 0.55 °C                            |                 |
| <b>3. Mass</b>        |   |   |   |                      |                                    |                 |
| 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                             |                 |

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|---|---|--|---|---|------------------------------------|-----------------|-----------------|
| <b>4. Force</b>                                     |   |  |   |   |                                    |                 |                 |
| 4.1   | Uniaxial force testing machine                  | Measurement of static force in tensile and compression modes | WAGA/CM/012                                 | 0.01 N to 5 kN<br>Class 0.5, 1,2 & 3 machines | 0.6 to 2.0 %                       | In-house / Site |                 |
| <b>5. Optical</b>                                   |   |  |   |   |                                    |                 |                 |
| 5.1   | Color assessment cabinet                        | Colour temperature   | WAGA/CM/002                                 | D65   | 6200 – 6800 K                      | ±76 K           | In-house / Site |
|   |   |  |   | CWF   | 3700 – 4430 K                      | ± 54 K          |                 |
|   |   |  |   | Inca A  | 2550 – 3150 K                      | ± 43 K          |                 |
|   |   |  |   | TL84  | 2700 – 4300 K                      | ± 44 K          |                 |
|   |   |  |   | U35   | 3200 – 3800 K                      | ± 49 K          |                 |
|   |   |  |   | Horizon                                       | 2000 – 2600 K                      | ± 38 K          |                 |
|   |   |  |   | D65 with UV                                   | 6200 – 6800 K                      | ± 76 K          |                 |
|   |   |  |   | U30   | 2700 – 3300 K                      | ± 44 K          |                 |
|   |   |  |   | TL83  | 2700 – 3300 K                      | ± 44 K          |                 |
|   |   |  |   | F   | 2200 – 2800 K                      | ± 40 K          |                 |
|   |   | D50  |   | 4703 – 5303 K                                 | ± 62 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  |   |   |                                    |                 |                 |
| <b>Performance verification in textile machines</b> |   |  |   |   |                                    |                 |                 |
| 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                            |                 |                 |
|   |   | Speed measurement  |   | 5 to 20 mm (peg. dia.)                        | 0.02 mm                            |                 |                 |
|   |   |  |   | 10 to 100 rpm                                 | 1.6 rpm                            |                 |                 |
| 8   | Reference washing machines (including Wascator) | Temperature measurement                                      | WAGA/CM/010                                 | 0 to 100 °C                                   | 0.7 °C                             | Site            |                 |
|   |   | Linear measurement   |   | 50 to 200 mm                                  | 1.2 mm                             |                 |                 |
|   |   | Time measurement   |   | 1 sec to 300 min                              | 0.8 sec                            |                 |                 |
|   |   | Speed measurement  |   | 50 to 2000 rpm                                | 1.6 rpm                            |                 |                 |

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|--------|-----------------------------|-------------------------|---|----------------------|------------------------------------|----------|
| 9      | Tumble dryers               | Temperature measurement | WAGA/CM/009                                 | 0 to 100 °C          | 0.7 °C                             | Site     |
|        |                             | Time measurement        |   | 1 sec to 300 min     | 0.8 sec                            |          |
|        |                             | Speed measurement       |   | 40 to 1000 rpm       | 1.6 rpm                            |          |
| 10     | Pilling tester (Box & Drum) | Linear measurement      | WAGA/CM/008                                 | 5 to 320 mm          | 0.02 mm                            | Site     |
|        |                             | Speed measurement       |   | 30 to 100 rpm        | 1.6 rpm                            |          |
|        |                             | Time measurement        |   | 1 sec to 45 min      | 0.8 sec                            |          |
| 11     | Martindale abrasion Machine | 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        | 1.6 rpm                            |          |

Director / CEO

Sri Lanka Accreditation Board for Conformity Assessment