

ELECTRICAL AND ELECTRONICS

TESTING

Facilitate Test Requirement with Required Product Safety, Performance and Energy Efficiency

SIRIM QAS INTERNATIONAL

ENABLING BUSINESSES. ENHANCING LIVES

The Electrical and Electronics Testing Section at SIRIM QAS International provides comprehensive testing services, technical support and assistance to the industries, authorities, instituition, traders and other laboratories.

As the leading certification, inspection and testing body in Malaysia, SIRIM QAS International provides full ranges of certification, inspection and testing services.

The Electrical and Electronics Testing Section ready to facilitate test requirement with required product safety, performance, and energy efficiency compliance on a broad spectrum of products against different specifications, including but not limited to product certification scheme requirement, trade association, industry specifications/ standards, Malaysia Energy Commission regulatory requirements including MEPS (Minimum Energy Performance Standards) and Malaysia or International standards.

Range of Products Tested

- Domestic Appliances:
  - Refrigerator, air conditioner, electrical fan, storage/instant water heater, kitchen appliances, washing machine, vacuum cleaner, and electric iron.
- Wiring Accessories:
  - Switches and dimmers, plug and socket outlet, cabel reel, appliance connector, Residual Current Circuit Breaker, Miniature Circuit Breaker, and other types of circuit breakers.
- Cable and Wires:
  - All types of cables, copper bar and strip, earth rod, cabel ladder, tray, trunking, conduit, and bus duct
- Audio Video Equipment:
  - Television (LCD, LED, Plasma), DVD, video player, blue ray disc, and Hi Fi
- Lighting and Accessories:
  - Luminaires, EXIT/KELUAR signs, emergency lights, LED lightings, lamp bulbs, and LED driver/lamp control gear
- IT and Office Equipment:
  - Dekstop/laptop, fax/printer/photocopy machine, AC/DC adaptor, and mobile phone
- Electric Fire Protection Devices:
  - Fire alarm panel, manual call point, and fire alarm bell
- Laboratory and Measuring Equipment:
  - LV DC power supply, and control equipments
- Medical Devices Equipment:
  - Dental chair, and electrotherapy unit
- Others:
  - Battery test (primary, secondary and automotive)

Testing Facilities

- Safety Tests:
  - Digital power meter
  - Test finger and test pin
  - Hybrid recorder for temperature rise test
  - Leakage/Touch current meter
  - Winding resistance measurement
  - High voltage/insulation tester
  - Humidity/ageing test chamber
  - IP test equipment
  - Earth continuity tester
  - Various types of endurance tester
  - Ball pressure tester/glow wire/tracking tester
  - Impulse generator/high current injector surge tester
  - Photobiological safety tester

Performance and Energy Efficiency Tests:

- Air conditioner test:
  - Balanced type calorimeter
  - Air enthalpy chamber
- Refrigerator test (environmental humidity chamber)
- Lighting test
  - Goniophotometer
  - Integrating sphere
  - Photometer
  - Spectradiometer
- Electric fan (air delivery test system for fan)
- Television (IEC Dynamic Broadcast Content Video Signal)
- Ballast/ lamp control gear (digital power analyzer)

Why SIRIM QAS International?

Premier provider of Testing Services

Accredited by

STANDARDS MALAYSIA
ACCREDITED LABORATORY
MS ISO/IEC 17025
CALIBRATION / TESTING

About Us

The competency of SIRIM QAS International to perform electrical and electronics testing is demonstrated through:

- Accreditation to ISO/IEC 17025 by the Department of Standards Malaysia (STANDARDS MALAYSIA) under the National Laboratory Accreditation Scheme (SAMM). Our test report carries both SAMM and ILAC MRA logo.

- Acceptance as the CB Testing Laboratory under the IECEE CB Scheme. This acceptance enables us to issue CB test reports and CB test certificates which are accepted and recognized by participating National Certification Bodies (NCB) and CB Testing Laboratories (CBTL) in more than 50 countries worldwide.

- Appointment by the Energy Commission (ST) as the Conformity Assessment Body and Test in conformity with the requirement of the ASEAN EE MRA and APEC EE MRA respectively, that would undertake testing and certification activities in accordance with the Mandatory Requirements of the importing member countries.

- Listed by the Joint Sectoral Committee for Electrical and Electronic Equipment (JSC EEE) as testing laboratory under the ASEAN EE MRA where our test reports are accepted by all ASEAN Member Countries.

Application Process:

1. Enquiries
2. Issuance of Quotation
3. Submission of Application
4. Product Testing
5. Issuance of Test Report

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YOUR NEXT STEP

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STANDARDS MALAYSIA ACCREDITED CERTIFICATION BODY
QS 02121999 CB 01
EMS 17122002 CB 02
PC 15102004 CB 01
OSH 06122006 CB 01
HACCP 05052008 CB 03
FSMS 23122008 CB 01
FMC 10122009 CB 02
ISMS 17022011 CB 01
EnMS 03012014 CB 01
MDQMS 30092015 CB 04
GMP 09102015 CB 04
MSPO 25072017 CB 05
PS 09032017 CB 03

ilac-MRA

STANDARDS MALAYSIA ACCREDITED LABORATORY
MS ISO/IEC 17025
CALIBRATION / TESTING
SAMM NO.085 SAMM NO.086
SAMM NO.067 SAMM NO.219
SAMM NO.231 SAMM NO.240
SAMM NO.299 SAMM NO.377
SAMM NO.474 SAMM NO.734
SAMM NO.735

STANDARDS MALAYSIA ACCREDITED INSPECTION BODY
MS ISO/IEC 17020
MIBAS NO. 003

074

IEC IECEE IECEx

SIRIM QAS International is a member of:
IQNet
THE INTERNATIONAL CERTIFICATION NETWORK