



ELECTRICAL AND ELECTRONICS

TESTING

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



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, institution, 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, cable 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, cable 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:
 - Desktop/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?



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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QS 02121999 CB 01 ISMS 17022011 CB 01
 EAS 17122002 CB 02 EAS 09102014 CB 01
 PC 15102004 CB 01 MDMS 30062015 CB 04
 CSH 09102006 CB 01 GMP 09102015 CB 04
 HACCP 09052008 CB 01 MSP 29072017 CB 05
 FMS 23122008 CB 01 PS 09062009 CB 02
 FMC 10122009 CB 02

MS ISO/IEC 17025
 CALIBRATION / TESTING
 SAMM NO.085 SAMM NO.086
 SAMM NO.087 SAMM NO.219
 SAMM NO.231 SAMM NO.240
 SAMM NO.259 SAMM NO.277
 SAMM NO.474 SAMM NO.734
 SAMM NO.755

MS ISO/IEC 17025
 MIBAS NO. 003