

ELECTRICAL AND ELECTRONICS

TESTING

Delivering quality, ensuring satisfaction



At SIRIM QAS, we provide comprehensive testing services, technical support and assistance to the industries, authorities, institutions, traders and other laboratories.

The Electrical and Electronics Testing Section is ready to facilitate test requirement with required product safety, performance and energy efficiency compliance on a broad spectrum of products against different specifications. This includes 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, 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 equipment.

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
 - Spectroradiometer
- Electric Fan Test
 - Air Delivery Test System for Fan
- Television Test
 - IEC Dynamic Broadcast Content Video Signal
- Ballast/ Lamp Control Gear Test
 - Digital Power Analyser

Application Process:



Why SIRIM QAS?



SIRIM QAS is an internationally recognised conformity assessment body with decades of experience in providing testing, inspection and certification services to both local and international customers.

The competency of SIRIM QAS to perform electrical and electronics testing is demonstrated through the accreditation of 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. Accepted as the CB Testing Laboratory under the IECEE CB Scheme, enables us to issue CB Test Reports and CB Test Certificates which are accepted and recognised by participating National Certification Bodies (NCB) and CB Testing Laboratories (CBTL) in more than 50 countries worldwide.

We are appointed by the Energy Commission (ST) as the Conformity Assessment and Testing Body in conformity with the requirement of the ASEAN EE MRA and APEC EE MRA respectively, that would undertake testing and certification activities under the Mandatory Requirements of the importing member countries.

SIRIM QAS is 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.



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