



# Chemical & Consumer Testing

The laboratories under the Chemical and Consumer Section provide high quality and professional services to meet the endless demand of industry in the areas of testing. The increase in customers' awareness and the competitive market have compelled the businesses to equip themselves with the necessary measures to protect their business growth. Product testing is one of the measures that can assist businesses in providing quality products to the customers.

The laboratories, located within the SIRIM Complex, are fully equipped with state-of-the-art equipment and facilities that are ever ready to provide assistance, evaluation and testing of products and materials in a credible manner to the public and private sectors. It provides extensive testing services from textiles, food, microbiological, pesticide residue to trace metal analysis.

## The Benefits of Testing Services

- SIRIM QAS International test report provides assurance of product conformity to National or International Standard, thus increase customers' acceptance.
- Ensure that the required quality is achieved and maintained to be easily accepted by the consumers.
- Reduce rejections during production which will reduce unnecessary cost and increase profit margin.
- Assist businesses in meeting the acts and regulations (ie: Malaysian Food Act, Poison Act, Environmental Quality Act and Nutritional Labeling requirements) in relation to chemical and microbiological testing.

## Why SIRIM QAS International?

Our laboratories are accredited to ISO/IEC 17025 by STANDARDS MALAYSIA under the National Laboratory Accreditation Scheme (SAMM).

We are backed by a dedicated team of trained, competent, experienced and qualified professionals to produce reliable and accurate results.

The extensive range of equipment and services makes SIRIM QAS International the prime choice for all testing needs.

## The section's business operations consist of the following laboratories

### Non Industrial Product Lab

- Fertilizers
- Detergents
- Toys
- Pesticides/ herbicides
- Herbal products
- Cosmetics/ skincare products
- Traditional medicine
- Pharmaceutical products
- Food wares
- Beverages
- Cocoa products
- Cereal based products
- Flour
- Food and health supplements
- Fat and cooking oil
- Dairy products
- Meat products (poultry, marine products)
- Sauces
- Spices
- Sugar and sugar products
- Water filter
- Water treatment chemical

## Industrial Product Lab

- Fabrics and apparels
- Carpet and carpet underlay
- Geotextiles
- Paper and fiber products
- Decorative paints

- Varnish
- Roadmarking paints
- Thermoplastics
- Reflective sheetings
- Automotive parts
- Fuel oil

- Engine oil
- Metalworking fluid
- Fuel additive
- Cement and concrete
- UPVC pipes
- Building materials

## Testing Facilities

- Atomic Absorption Spectrometry
- Inductively Coupled Plasma – Optical Emission Spectrometer
- Carbon and Sulphur Analyzer
- Gas Chromatography
- Gas Chromatography – Mass Spectrometer
- Environmental Chamber
- Salt Spray Tester
- Ion Chromatography
- UV-Visible Spectrophotometer
- High Performance Liquid Chromatography
- Xenon Arc Accelerated Weathering Chamber
- Controlled Temperature and Humidity Chamber
- Digital Bursting Tests Equipment
- Flammability Testing Equipment
- Flash Point Tester
- UV Accelerated Weathering Machine Tester

## Application Process

1	Enquiries
2	Issuance of Quotation
3	Application - Form PP1 <i>(can be retrieved from the website)</i>
4	Submission of Test Item
5	Product Testing
6	Issuance of Test Report

## Our Contact Details



### Sales & Customer Service Section Product Certification, Inspection & Testing Department

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