

TESTING OFFERED

FOOD & BEVERAGES

Food testing is the scientific analysis of food and its contents in order to provide informations on the quality of products against hazardous substances and fraud during preparation, safety and throughout the whole chain and processes. It is covered under FOOD ACT 1983.

Nutrition Analysis

- Content of carbohydrates, fats, protein and energy

Other Testings

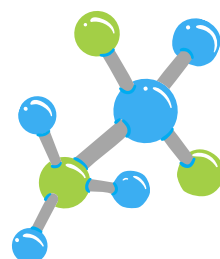
- The amount of sugar
- Ash
- Moisture
- Active Materials
- Cholesterol
- Vitamin
- Fiber
- Salt

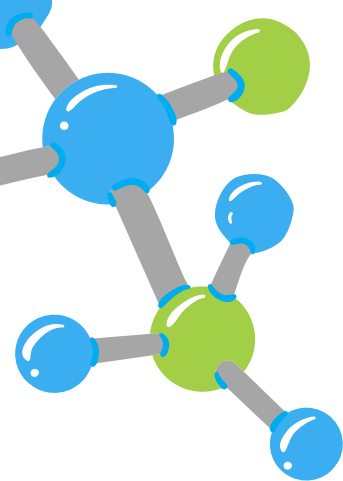
Product Safety Testings

- Contamination
- Heavy Metal
- Sterilization
- Shelf Life
- Migration

TYPE OF PRODUCT

Food, beverages, food & drinks for health





TESTING OFFERED

HALALAN & TOYYIBAN

The definition of 'halal' includes products and services that are described as halal or described with any other expression to indicate that they are ALLOWED/PERMISSABLE by Muslim consumers and accordance to Syariah law.

Halal also covers the meaning of toyyib which is clean, pure, safe, quality and not harmful.

The concept of HALALAN TOYYIBAN TESTING is as the test requirements for halal certification and to ensure that the products are safe, clean and meet the Standards quality.

Halal

- DNA Porcine (Pig)
- Alcohol content

Ethical

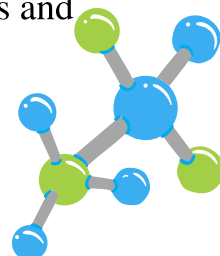
- Sugar content
- Ash
- Moisture
- Nutrition
- Cholesterol
- Vitamin
- Fibre

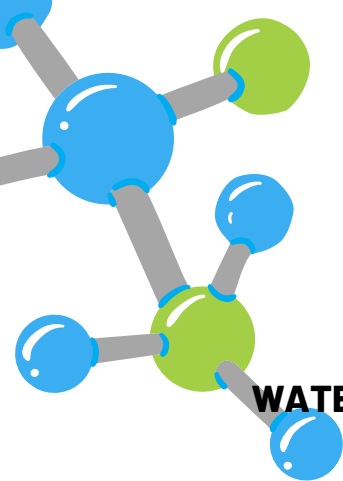
Safety/Toyyiban

- Total plate count
- Yeast & Mold
- Total coliform
- *Escherichia coli*
- *Salmonella spp.*
- *Staphylococcus aureus*
- *Bacillus cereus*
- Mercury
- Arsenic
- Lead
- Cadmium

TYPE OF PRODUCTS

Food & beverages, cosmetics and personal care / cleaning, pharmaceuticals and nutraceuticals





TESTING OFFERED

WATER, WATER WASTE, INDUSTRIAL WASTE AND ENVIRONMENT

Testings conduct are determined based on water quality standards set by the authorities. Besides, we do offer site sampling.

Chemical

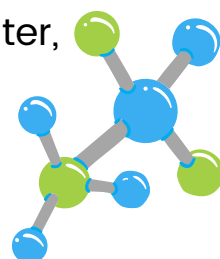
- Biochemical oxygen demand (BOD)
- Chemical oxygen demand (COD)
- Ammonia nitrogen
- Oil & grease
- Total suspended solid
- Logam berat
- Klorin
- Warna
- pH
- Fosforus
- Total organic matter
- Volatile organic compound
- Dissolved oxygen
- Nitrate & Nitrite
- New pollutant & Organic micro pollutants

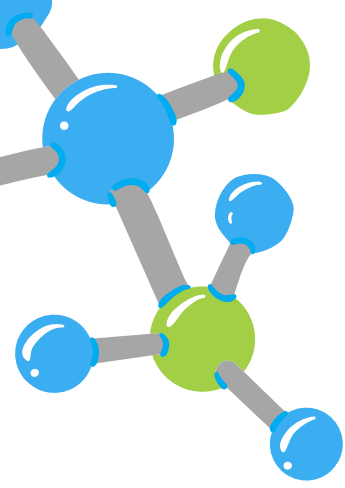
Microbiological

- Coliform
- Escherichia coli
- Heterotrophic plate count
- Fecal streptococci
- Pseudomonas aeruginosa
- Salmonella spp.

TYPE OF PRODUCTS

Industrial wastewater, sewage water, river & sea water, groundwater, swimming pool & spa water, land, drinking water, mineral water, reverse osmosis water





TESTING OFFERED

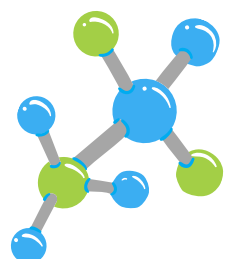
SHELF LIFE

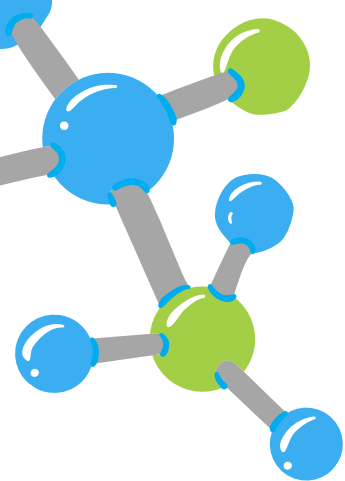
Shelf life is important as a guideline for consumers to ensure that the product can be stored / eaten / used in a safe condition before it starts to spoil.

- Total plate count
- Yeast & Mould
- Salmonella spp.
- Staphylococcus aureus
- Coliform
- Moisture
- Peroxide value content

TYPE OF PRODUCTS

Food & beverages, cosmetics and personal care / cleaning, pharmaceuticals





TESTING OFFERED

COSMETIC AND PERSONAL CARE PRODUCTS

Product safety testing for cosmetic is controlled according to the standards requirement by the National Pharmaceutical Regulatory Division (NPRA)

Chemical

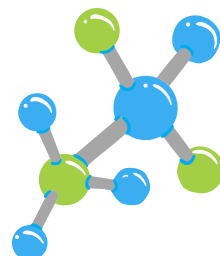
- Mercury
- Arsenic
- Lead
- Cadmium

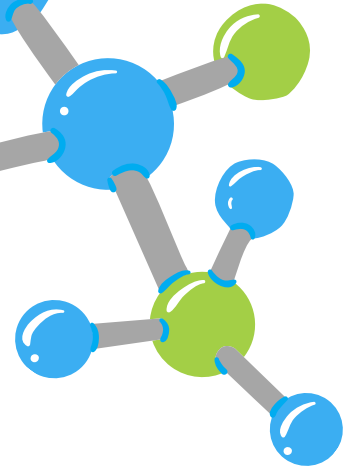
Microbiological

- Total microbial count
- *Pseudomonas aeruginosa*
- *Staphylococcus aureus*
- *Candida albicans*

TYPE OF PRODUCTS

Soap, shampoo, powder, hair dye, lipstick, serum, moisturizer, toner, skin care cream, face wash, scrub, sunscreen.





TESTING OFFERED

HERBAL/TRADITIONAL PRODUCTS

Product safety testing for herbal/traditional products is regulated under the standards set by the National Pharmaceutical Regulatory Division (NPRA)

Chemical

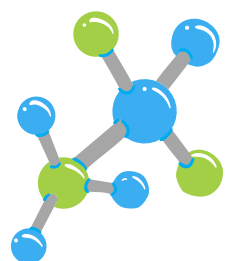
- Mercury
- Arsenic
- Lead
- Cadmium

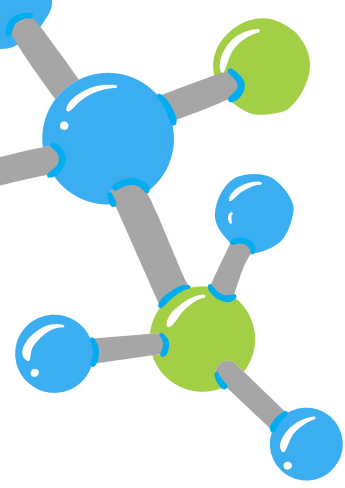
Microbiological

- Total microbial count
- Pseudomonas aeruginosa
- Staphylococcus aureus
- Salmonella spp.
- Escherichia coli

TYPE OF PRODUCTS

Herbs, massage oils, sea cucumber oil, men and women care products, weight loss products, muscle and joint pain products and so on.





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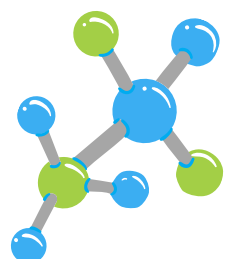
DNA & GENETICS

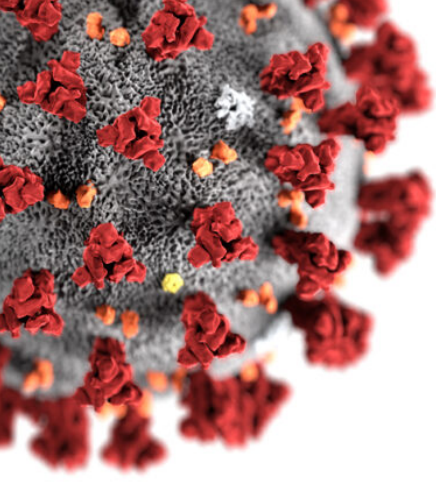
DNA testing is performed for the purpose of analyzing the genetic material of a sample, identifying possible changes in DNA and examining the probability of development of some diseases.

- Aquaculture Life Disease
- Foodborne pathogens
- Genetically Modified Organism (GMO)
- Allergens
- Specification of species

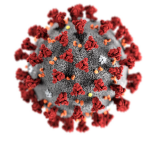
TYPE OF PRODUCT

Food, drink, plants, animals, cosmetics, pharmaceuticals, gelatin,
etc



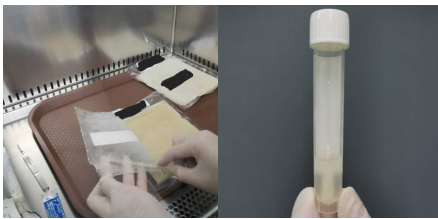


TESTING SERVICES

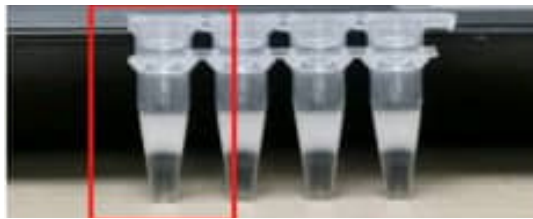


SARS-COV-2 (COVID-19) FOR FOOD SAFETY & ENVIRONMENT SURFACES SCREENING

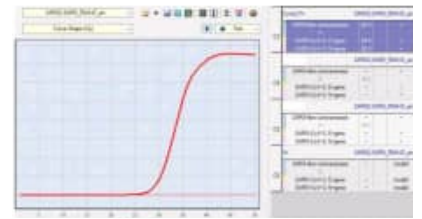
An environment monitoring tool to ensure safe working environment, monitor potential human contamination in food processing, production and handling.



Step 1: Swabbing of packaging/
food surface



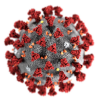
Step 2: Real-Time RT-PCR



Step 3: Result analysis/ test
report

1 SAMPLE/TUBE = 3 TARGETS

1. SARS-CoV-like Coronaviruses
2. SARS-Cov-2 (E-gene)
3. SARS-Cov-2 (N-gene)



TURNAROUND TIME (TAT)

14 working days
(exclude public holiday & weekend)

SAMPLE RECEIPT CUT-OFF

Tuesday and Thursday; 12:00PM

TARGET SAMPLES

Environmental Surface, Food Surface, Packaging Materials, Food
Ingredients, Frozen Materials/Foods, Food Utensils

