



# **Routine Food Surveillance Results (First Quarter 2019)**

**Municipal Affairs Bureau  
Department of Food Safety  
2019**



# Routine Food Surveillance for First Quarter 2019

- The Department conducted the food surveillance and sampling plan based on the types of food circulating in Macao.
- The Department collected a total of 741 samples in the first quarter of 2019.



# Routine Food Surveillance for first Quarter 2019

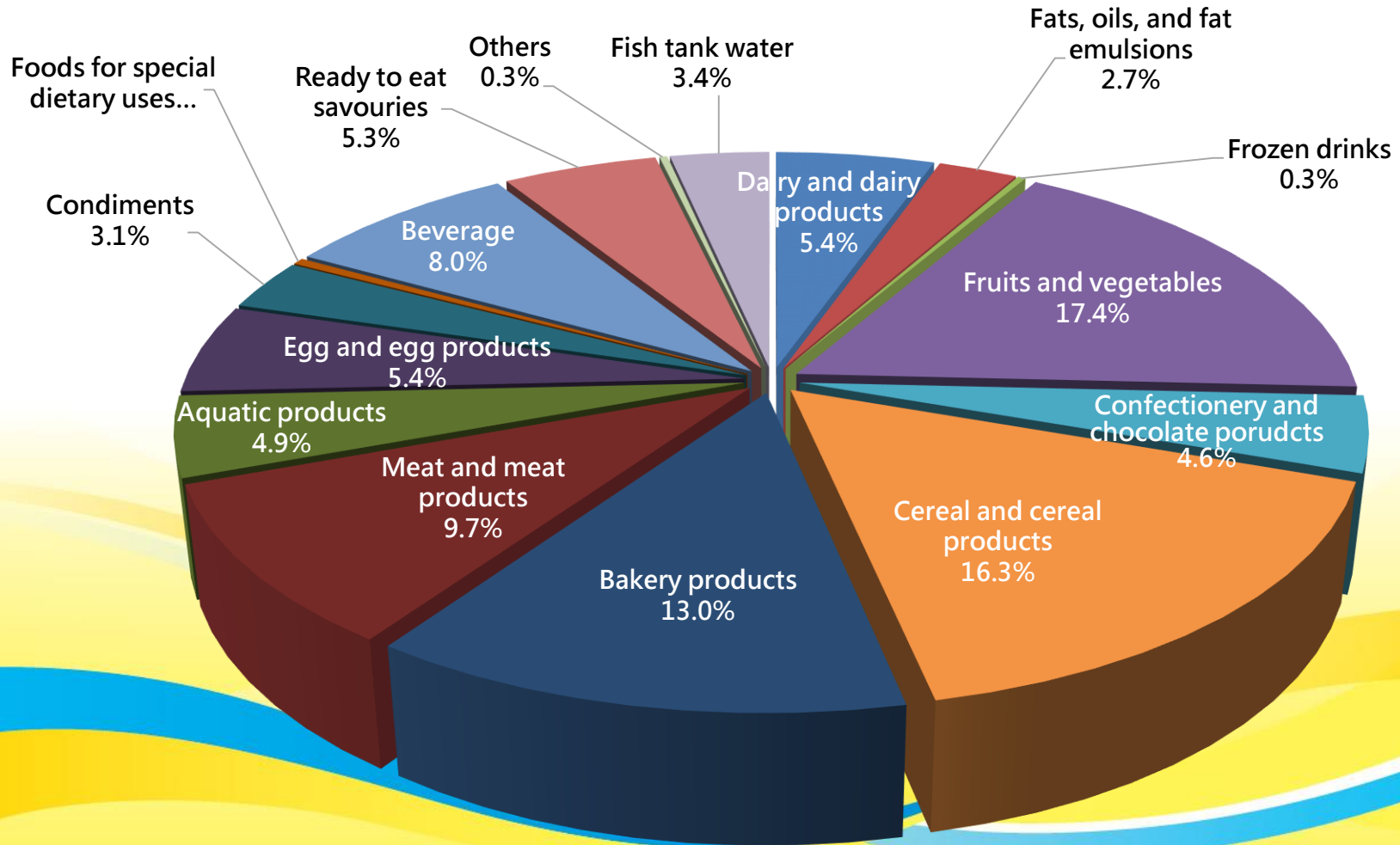
- Samples were collected from local supermarkets, grocery stores, department stores, restaurants, take-away shops, etc.





# Types of samples

(Types of samples included various ready-to-eat foods, beverages, groceries, snacks, etc., a total of 741 samples)



# Types of food

Food category	Food example
Meat and meat products :	Luncheon meat, spiced pork cubes, ham, meatball, Siu-Mei, Lo-Mei, marinated pig's ear, pork chop, dried pork, etc.
Cereal and cereal products :	White rice, brown rice, rice vermicelli, rice and wheat noodle, pasta, etc.
Beverage :	Bottled water, bottle beverage, pre-packed drinks, homemade beverages, etc.
Fruits and vegetables :	Salad, pre-cut fruits, bean products, etc.
Bakery products :	Bread, cake, tart, pastries, etc.
Aquatic products :	Sashimi, seafood salad, steamed fish, fish ball, etc.
Condiments :	Salad dressing, sweet and sour sauce, curry sauce, satay sauce, chicken powder, etc.
Frozen drinks :	Sorbet, popsicles, ice-cream, ice cream drink, etc.
Fats, oils, and fat emulsions	Corn oil, olive oil, blended oil, etc.
Dairy and dairy products :	Milk powder, milk, cheese, cheesecake, etc.
Egg and egg products :	Scramble egg, omelet, steamed egg, egg products, etc.
Confectionery and chocolate products :	Soft candy, hard candy, chocolate, etc.
Others:	Cheese flavoured rings, potato chips, prawn chips, etc.

# Types of test

- **Microbiological analysis**

**(Pathogen)** e.g. *Staphylococcus aureus*, *Salmonella*, *Listeria monocytogens*, *Bacillus cerecus*, *Clostridium perfringens*, *Vibrio Parahaemolyticus*, etc.

- **Chemical analysis**

Lead, Cadmium, Total Mercury, Total Arsenic, Nitrite, etc.

- **Radiation level analysis**

Iodine-131, Caesium-134, Caesium-137



# Test results

- The overall satisfactory rate was 99.9%.
- 1 food sample was found to be unsatisfactory.



# Test Results

- Among 100 food samples, 2 were found to be unsatisfactory.

Sample	Testing item	Result
Salted Egg Paste	<i>Staphylococcus aureus</i>	$1.5 \times 10^5$ CFU/g





# Follow-up and Preventive Actions

- **Follow-up actions have been taken on the unsatisfactory samples, which included:**
  - ✓ Request the respective shops to stop selling the affected products immediately.
  - ✓ Trace the source and distribution of the food item.
  - ✓ Inform the suppliers and the retailers to stop selling the affected batch of the products.
  - ✓ Publish press release.



# Advice for Trade

- Purchase foods and ingredients from reputable suppliers. Do not buy food from unknown sources.
- Select fresh and hygienic foods. Avoid to buy spoilage or organoleptic foods.
- Keep all the purchase and sale records for product tracing by the competent government authorities whenever necessary.
- Do not purchase or sell any food products if there is any doubt about its hygiene and safety.



# Advice for Consumers

- Buy foods from reliable, reputable, hygienic and licensed stores or food establishments.
- Eat and purchase fresh, non-abnormal and well-prepared aquatic products and foods.
- Do not purchase or eat any food if there is any doubt about its safety or quality.



# Release Results and Enquiries

The Department of Food Safety releases food surveillance results and information through the following channels:

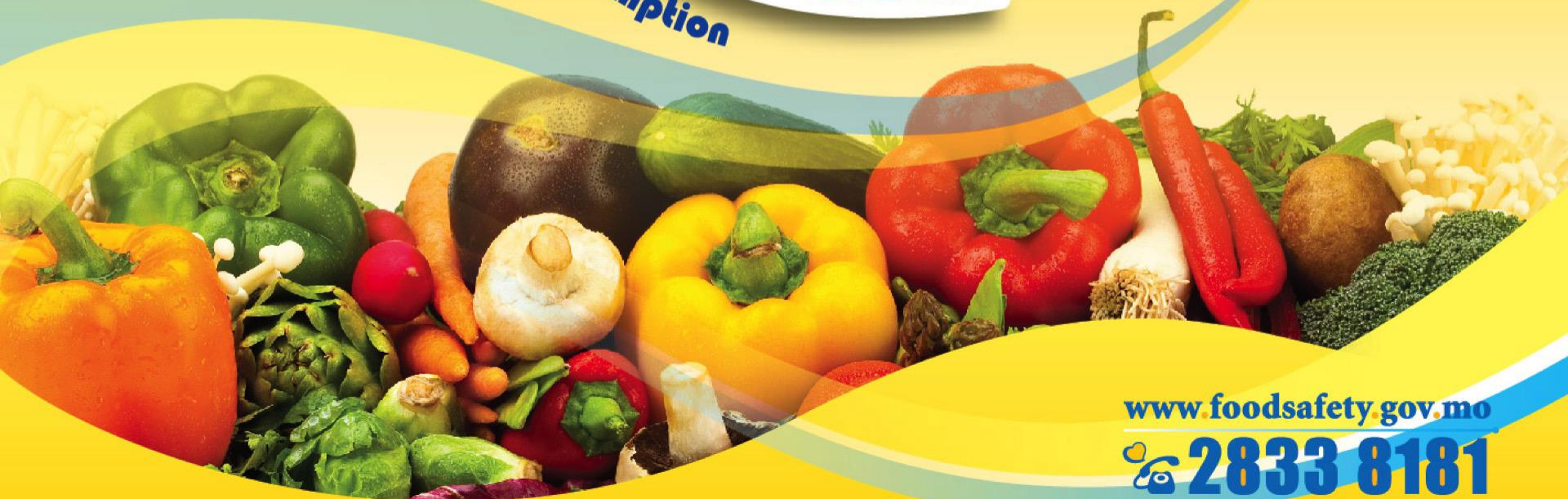
- Press Release

- Food Safety Information Website

([www.foodsafety.gov.mo](http://www.foodsafety.gov.mo)) and Food Safety Information App







[www.foodsafety.gov.mo](http://www.foodsafety.gov.mo)

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