



# **Routine Food Surveillance Results for the Fourth Quarter and Summary of Food Surveillance Results for 2019**

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

# Routine Food Surveillance for Fourth Quarter 2019

- The Department conducted the food surveillance and sampling plan based on the types of food circulating in Macao.
- The Centre collected a total of 899 samples in the fourth quarter of 2019.



# Routine Food Surveillance for third Quarter 2019

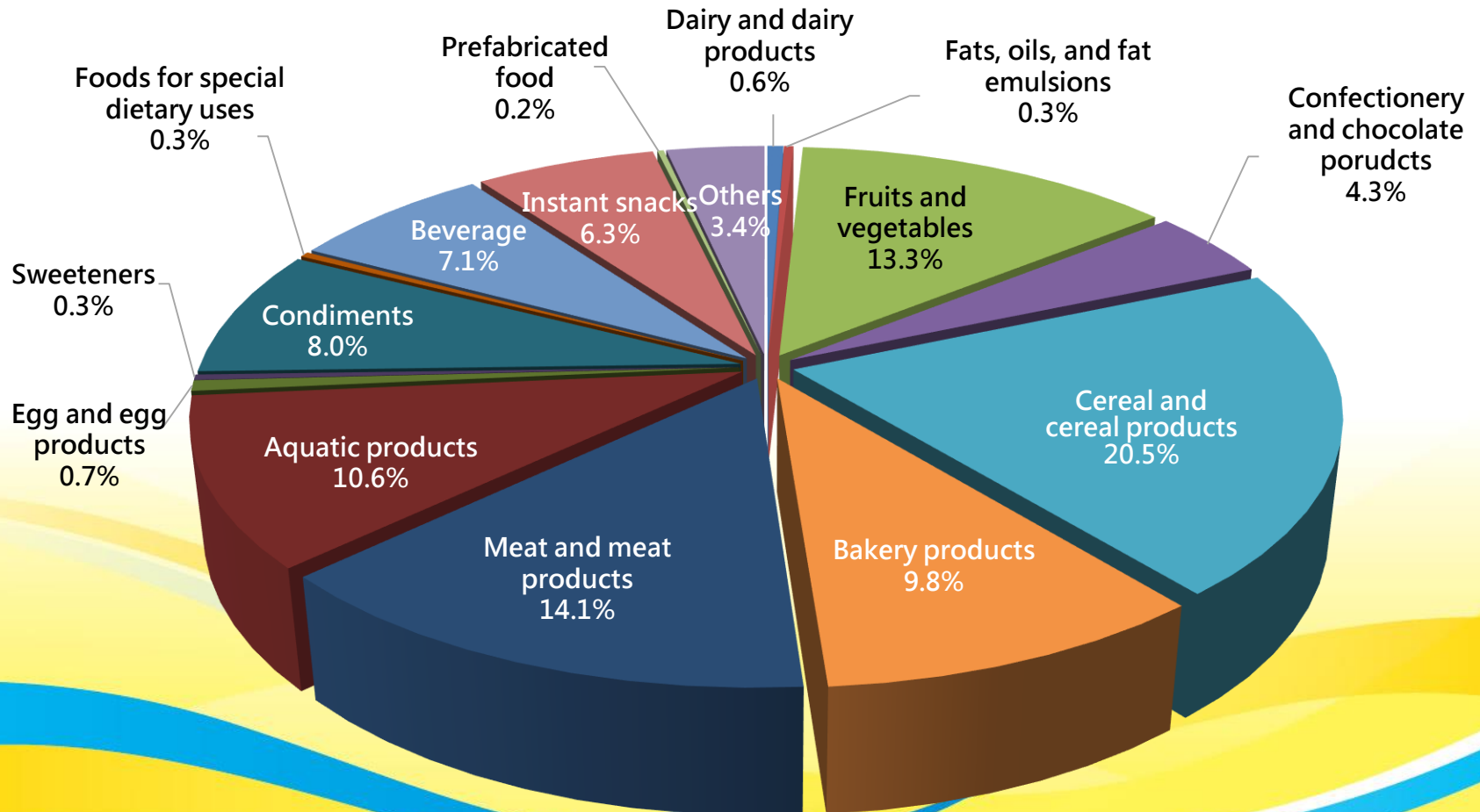
- Samples were collected from local supermarkets, grocery stores, department stores, restaurants, take-away shops, etc.





# Types of samples

(Types of samples included various ready-to-eat foods, beverages, groceries, snacks, etc., a total of 899 samples)



# Types of food

Food category	Food example
Dairy and dairy products :	Milk powder, milk, cheese, cheesecake, etc.
Fats, oils, and fat emulsions:	Lard cake, cheese, etc.
Fruits and vegetables :	Salad, pre-cut fruits, bean products, etc.
Confectionery and chocolate products :	Soft candy, hard candy, chocolate, etc.
Cereal and cereal products :	White rice, brown rice, rice vermicelli, rice and wheat noodle, pasta, etc.
Bakery products :	Bread, cake, tart, pastries, etc.
Meat and meat products :	Luncheon meat, spiced pork cubes, ham, meatball, Siu-Mei, Lo-Mei, marinated pig's ear, pork chop, dried pork, etc.
Aquatic products :	Sashimi, seafood salad, steamed fish, fish ball, etc.
Egg and egg products :	Scramble egg, omelet, steamed egg, egg products, etc.
Sweeteners :	White sugar, brown sugar, glucose sucrose powder, syrup, etc.
Condiments :	Salad dressing, sweet and sour sauce, curry sauce, satay sauce, chicken powder, etc.
Foods for special dietary uses :	Collagen Drink, chicken essence ,etc.
Beverage :	Bottled water, bottle beverage, pre-packed drinks, homemade beverages, etc.
Instant snacks :	Cheese rings, potato chips, prawn crackers, etc.
Prefabricated food :	Herbal Jelly powder, microwave food etc.
Others :	Tea etc.

# Types of test

- **Microbiological analysis**

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

- **Chemical analysis**

Lead, Cadmium, Total Mercury, Total Arsenic, Nitrite, Sudan red, Aflatoxin B1, Sulfur dioxide 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 899 food samples, 1 was found to be unsatisfactory.

Sample	Testing item	Result
Wonton	<i>Boric acid</i>	Detected





# 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.
  - ✓ Request the manufacturers to check the food source and production processes.
  - ✓ Seal and dispose the inventory of the relevant products.
  - ✓ Review and Re-check.



# Advice for Trade

- Purchase foods and ingredients from reputable suppliers. Do not buy food from unknown sources.
- Increase food safety awareness of food handlers. Store and handle food properly.
- 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.
- When having non-packaged foods, pay attention to hygienic condition of food containers and personal hygiene of staff.
- Eat and purchase fresh, non-abnormal and well-prepared foods.
- Do not purchase or eat any food if there is any doubt about its safety or quality.



# **Summary of Food Surveillance Results for 2019**





# 2019 Food Surveillance Projects

- Seasonal Food Surveillance
- Routine Food Surveillance



# Seasonal Food Surveillance

Seasonal Food Surveillance has been conducted for traditional festival foods, which included Lunar New Year Foods, Rice Dumplings, Mooncakes.

## **2019 Completed projects :**

- Lunar New Year Foods: 1 samples of Chinese sweetened fruits ‘Sweetened coconut diced’ (Sulphur dioxide)
- Rice Dumplings: All results were satisfactory
- Mooncakes All results were satisfactory

A total of A total of 170 samples were collected for seasonal food surveillance. The satisfactory rate was 99%. The Centre took immediate follow up actions, notified the relevant authorities of the country of origin of the affected products, and released the results to the public and trade for them to take appropriate actions.

# Routine Food Surveillance

## **“Routine food sample” and “Food premise sample”**

- A total of 3353 samples were collected.
- The overall satisfactory rate were 99.9%.

**3 food samples were found to be unsatisfactory, which included:**

- Salted Egg Paste (*Staphylococcus aureus*)
- Mango Mousse Cake (*Salmonella*)
- Wonton (Boric acid)



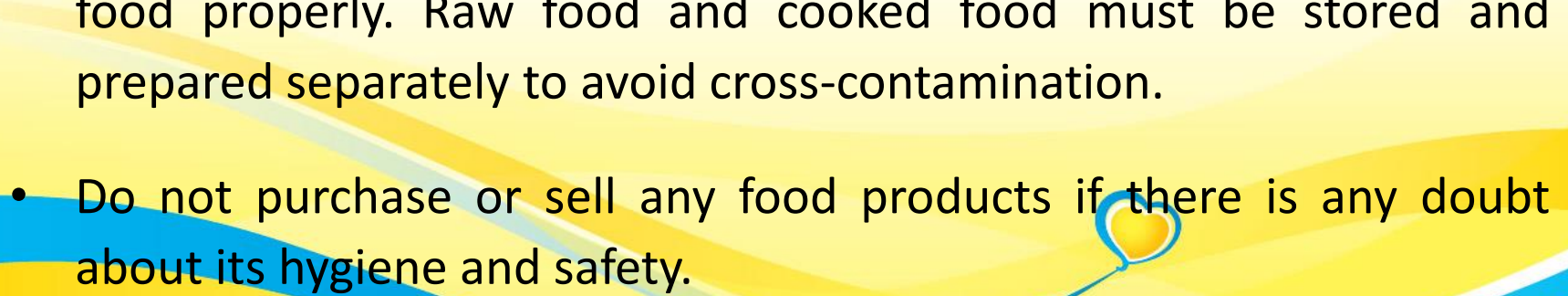
# Routine Food Surveillance

- The IAM took immediate actions to urge the respective shop to stop production and sale of the affected products, to trace the food source and the production process, to release the results to the public and trade, and follow up actions would be taken in order to safeguard food safety.





# Advice for Trade

- Purchase foods and ingredients from reputable suppliers. Do not buy food from unknown sources.
  - Keep all the purchase and sale records for product and source-tracing by the competent government authorities whenever necessary.
  - Increase food safety awareness of food handlers. Store and handle food properly. Raw food and cooked food must be stored and prepared separately to avoid cross-contamination.
  - Do not purchase or sell any food products if there is any doubt about its hygiene and safety.
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# Advice for Consumers

- Buy foods from reputable and hygienic stores.
- When buying pre-packaged products, make sure the package are intact and mind the expiry dates.
- When buying ready to eat products, pay attention to the food and environmental hygiene.
- 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



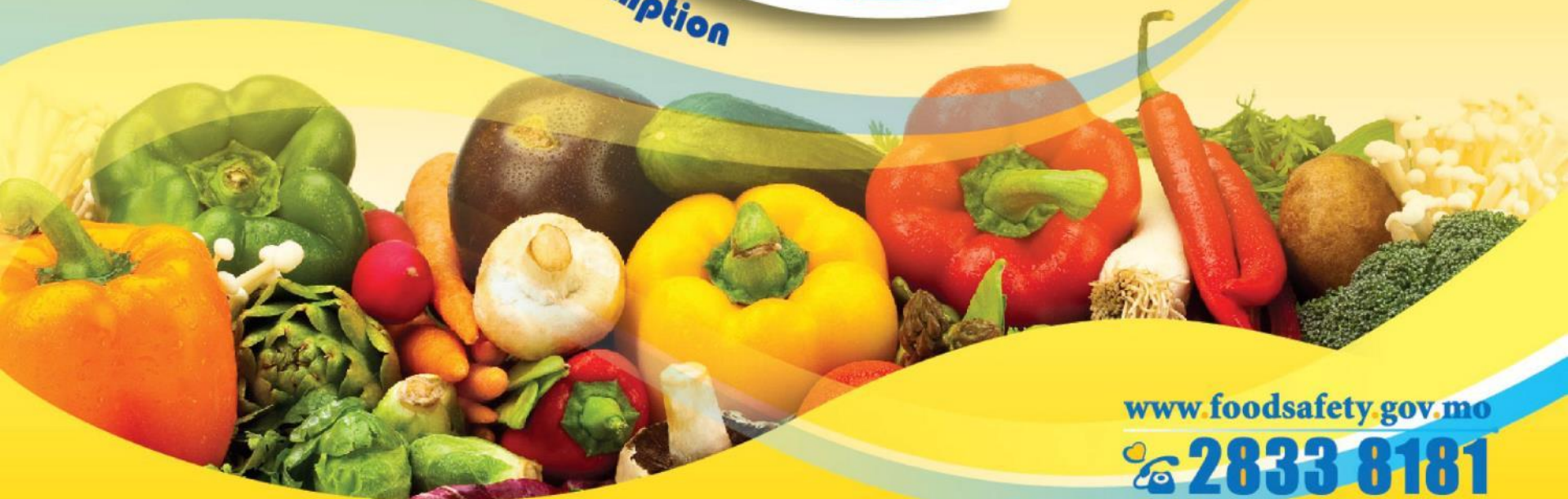
Food Safety Information App



Android 手機版本  
Google play



iOS 手機版本  
Apple App Store



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

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