



Routine Food Surveillance Results for the Fourth Quarter and Summary of Food Surveillance Results for 2018

Municipal Affairs Bureau
Department of Food Safety

Routine Food Surveillance for Fourth Quarter 2018

- The Department conducted the food surveillance and sampling plan based on the types of food circulating in Macao.
- The Department collected a total of 752 samples in the fourth quarter of 2018.



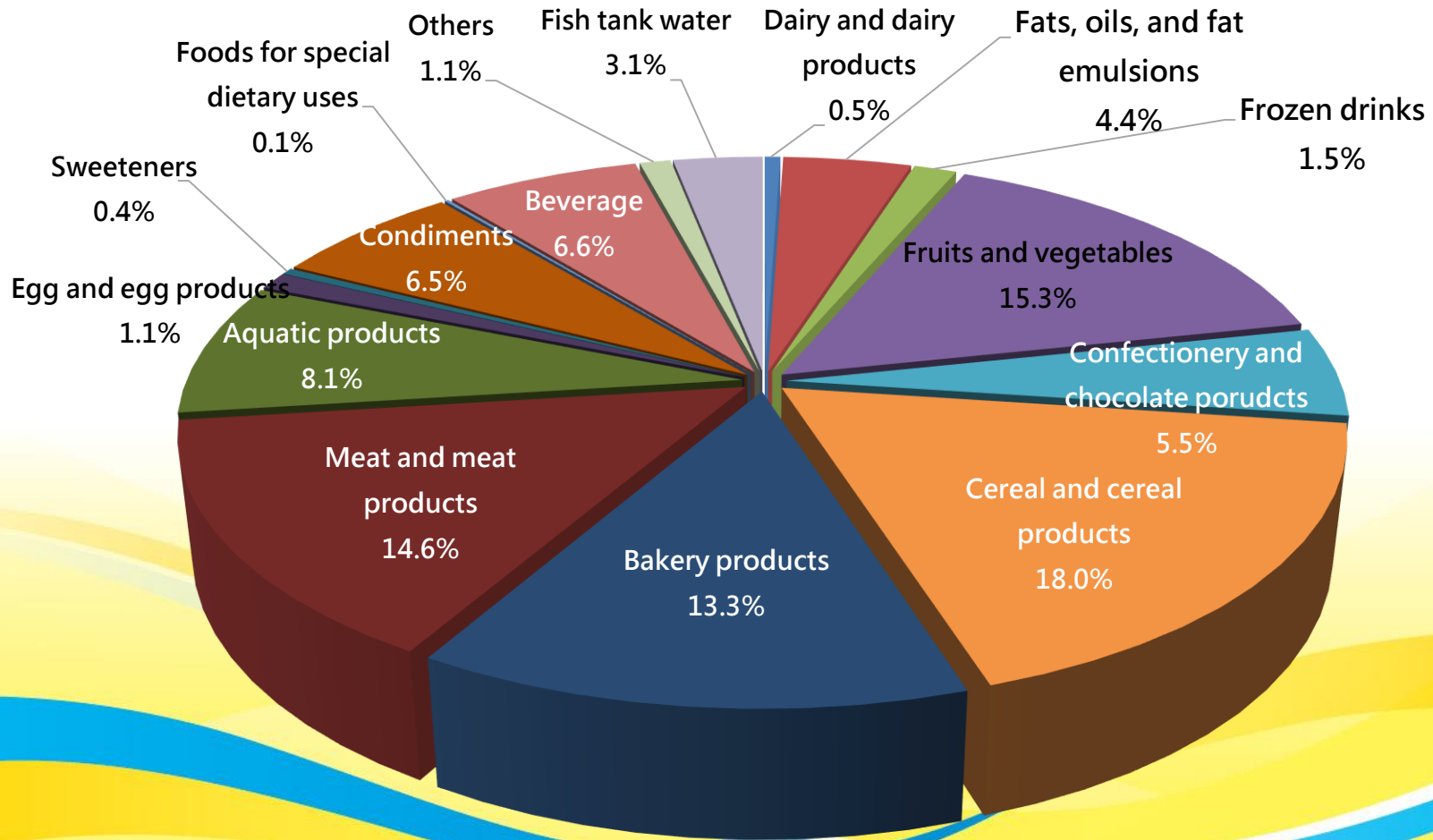
Routine Food Surveillance for Fourth Quarter 2018

- 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 752 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 monocytogenes*, *Bacillus cereus*, *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

- One food sample was found to be unsatisfactory.

Sample	Testing item	Result
Loofah	Isocarbophos	1.9mg/kg



Follow-up and Preventive Actions

- Upon receiving the test results, follow-up actions have been taken on the unsatisfactory samples in order to safeguard food safety:
 - ✓ Request the respective shops to stop selling the affected products.
 - ✓ Trace the source and distribution of the food item.
 - ✓ Inform the suppliers and the retailers to stop selling the affected batch of the products.
 - ✓ Request the manufacturers to check the food source and production processes.



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 and source-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 reputable and hygienic stores.
- Eat and buy fresh, no abnormal appearance and integrity of agricultural products.
- Do not purchase or eat any food if there is any doubt about its safety or quality.



Summary of Food Surveillance Results for 2018



2018 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.

2018 Completed projects :

- Lunar New Year Foods: 3 samples of Chinese sweetened fruits (Sulphur dioxide), 2 samples of Black Melon Seed (Mineral Oil)
- Rice Dumplings: All results were satisfactory
- Mooncakes: 1 sample of Low sugar and white lotus seed paste mooncake with two yolks (Alfatoxin)


A total of 200 samples were collected for seasonal food surveillance. The satisfactory rate was 97%. The Department 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 3232 samples were collected.
- The overall satisfactory rate were 99.8%.

5 food samples were found to be unsatisfactory, which included:

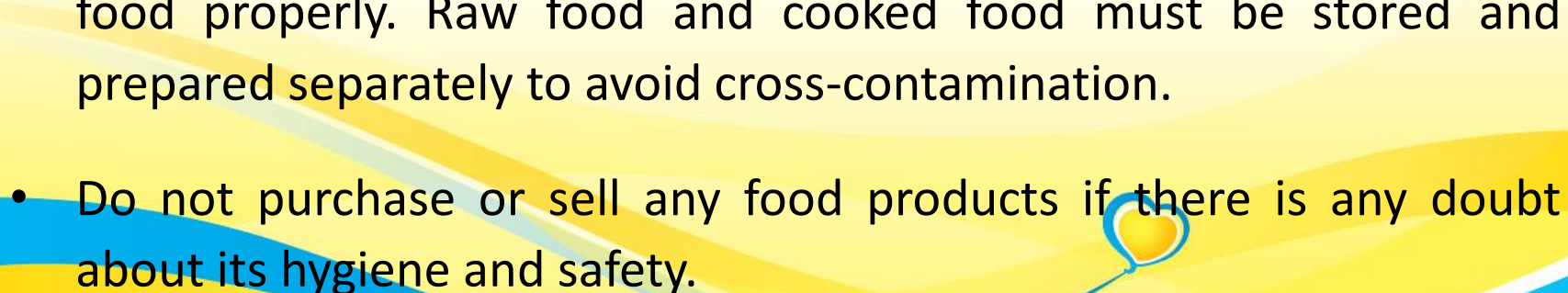
- Shrimp dumpling (Nitrofurantoin Metabolites)
 - Engawa Sashimi (*Listeria monocytogenes*)
 - 8-Head Abalone (Chloramphenicol)
 - Sour Pickled Green Mustard (Sulphur dioxide)
 - Loofah (Isocarbophos)
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Routine Food Surveillance

- The Department 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.

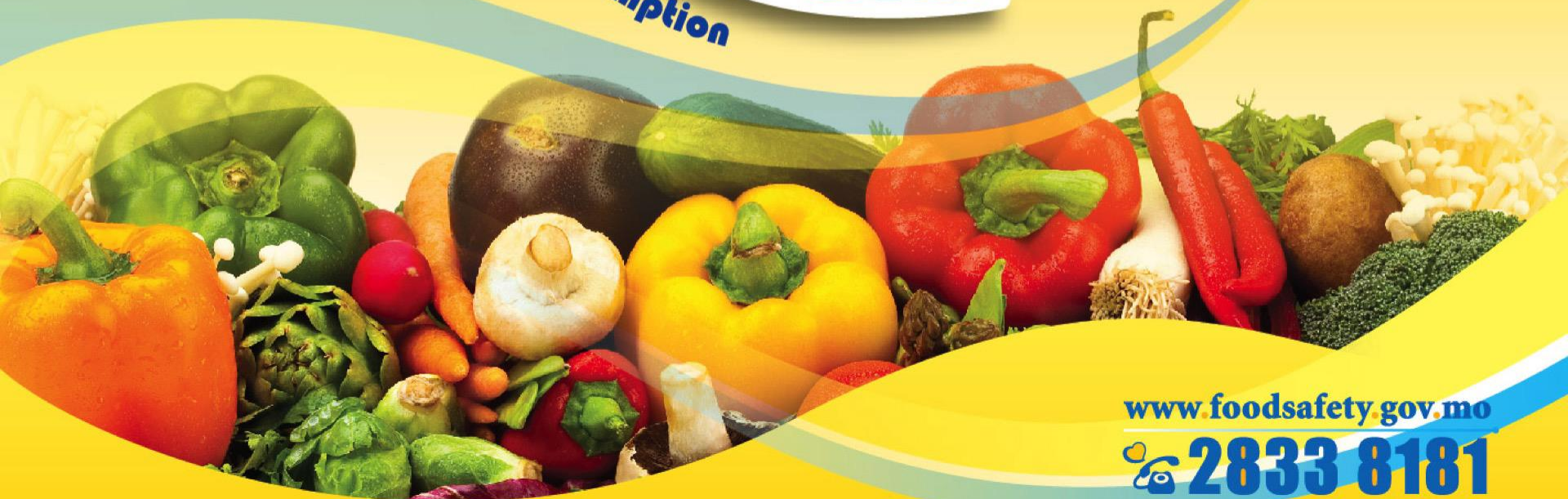


Release Results and Enquiries

The Department release food surveillance results and information through the following channels:

- Press Release
- Food Safety Information Website and Food Safety Information App





www.foodsafety.gov.mo

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