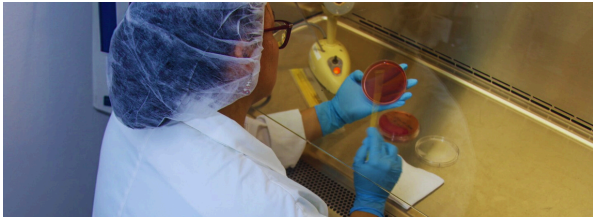


FOOD MICROBIOLOGY

The Food Microbiology Laboratory performs analysis of foodstuffs to ensure microbiological quality and the absence of foodborne pathogens such as

- Salmonella
- Staphylococcus aureus
- Vibrio Cholera
- E.Coli

and other pathogens of interest, including Listeria and Clostridium perfringens.



WATER QUALITY

The laboratory analyzes water from food processing facilities to ensure that the potable water standards are met.

- Heterotrophic plate count, total coliforms, E. Coli, Enterococci
- Ammonia, Free and Total Chlorine, True Color, Conductivity, pH

WE PROVIDE TESTING ON PRIVATE SAMPLES

FOOD SAFETY LABORATORIES

Food Safety Laboratories play a critical role in the overall food control systems, testing for microbiological pathogens, indicator bacteria, chemical contaminants, and residues in the end product to assure the safety of your food products.

This also ensures that producers adhere to good agricultural practices in the field and processing plants.

BAHA conducts testing for the following Food Safety Programs:

- National Residue Monitoring Programs for Aquaculture
- HACCP Verification and Water Quality Monitoring at Food Processing Facilities
- Quality Assurance Programs for Meats

YOU CAN CONTACT US HERE

ST. JOSEPH STREET, BELIZE CITY

+501-224-4794 OR 223-4457

FOODSAFETY@BAHA.ORG.BZ

WWW.BAHA.ORG.BZ



FOOD SAFETY DEPARTMENT



Central Investigation Laboratory

CENTRAL INVESTIGATION LABORATORY

Food Safety Services Department

- Operated by the Food Safety Services Department of the Belize Agricultural Health Authority
- Supports food safety programs through laboratory analysis of food using chemical, microbiological, and physical methods for AOAC, APHA/AWWA, EPA, FAO, etc.
- Accredited under ISO/IEC 17025:2017 for the scope of Salmonella in foods and enumeration of E. Coli and coliform bacteria in food.
- Laboratory Services offered through the Chemical Analysis Laboratory and the Food Microbiology Laboratory



CHEMICAL RESIDUE & CONTAMINANTS ANALYSIS

The Chemical Analysis Laboratory offers a wide range of chemical tests for food and animal feed, including:

- pesticide residue
- veterinary drug residue
- mycotoxins

We have the capacity for compositional analysis of environmental samples, such as soil and water, as well as agricultural samples, such as industrial hemp.

CHEMICAL SCREENING

The Chemical Analysis Laboratory uses biochemical assays such as ELISA to screen for:

- Veterinary drugs in tissue (meats, poultry, seafood), milk, and animal feed:
 - Aminoglycosides
 - Beta-lactams (only tissue)
 - Chloramphenicol
 - Fluoroquinolones
 - Macrolides (only tissue)
 - Sulfonamides (tissue and milk)
 - Tetracyclines (tissue and milk)
- Aflatoxin B1 in feed and grains.