

Food Safety & Quality Assurance

Assisting you with your number one priority



NATA Accredited for Chemistry, Microbiological and Residue Testing

Symbio Laboratories recognise that individual organisations need reliable, cost effective analytical services to support their food safety and quality programs. Symbio Laboratories offers:

- An extensive range of tests to assist the food industry in meeting regulatory requirements and consumer expectations.
- Experience and expertise in chemistry, residue and microbiological testing.
- Knowledgeable customer service to assist you in assessing and achieving compliance.
- Results and assistance with technical issues to give you confidence that your products and processes meet requirements for food safety, quality and the environment.

Microbiology

Using traditional and rapid test methods, we have the technical capability to test and identify the following microorganisms:

- Bacillus
- Campylobacter
- Clostridium
- Enterobacteriaceae
- E.coli, E.coli O157 and STEC pathogenic E.coli
- Lactobacillus
- Legionella
- Listeria
- Pseudomonas
- Salmonella
- Staphylococci
- Standard Plate Count (SPC)
- Vibrio
- Yeasts & Moulds

Mycotoxin Analysis

Mycotoxins are chemical compounds produced by mould and fungi on crops including grains and nuts and a number of food and animal feed products. They are extremely toxic and their presence poses a serious health risk.

We have the capability to test for the following mycotoxins:

- Aflatoxins (B1, B2, G1, G2)
- Deoxynivalenol (Vomitoxin)
- Nivalenol
- Zearalenone
- Ochratoxin A
- Fumonisin
- HT2 and T2 Toxin
- Patulin

Routine Chemical Analysis

We have a wide range of tests using traditional and rapid methods, which assist in monitoring and maintaining quality assurance.

These tests include:

- Fat including fat profiles (saturated, mono, poly and trans)
- Sugar profile, protein, carbohydrate, energy and ash
- Salt, nitrites and nitrates
- Sulphur dioxide and other preservatives
- Foreign object identification
- Meat species testing
- Allergens
- Moisture, pH, Brix value and free fatty acids
- Phosphatase
- Melamine
- Imported food testing as per Imported Food Inspection Scheme requirements.

Pesticide Residues & Heavy Metals

We are recognised as a leading supplier of residue testing services by regulators and play an important role in the testing of commodities as part of the National Residue Survey. Residue scans include:

- Fumigants
- Insecticides
- Growth Regulators
- Acaricides
- Antimicrobials
- Antibiotics
- PCBs
- Organophosphates
- Organochlorines
- Synthetic Pyrethroids
- Carbamates
- Fungicides
- Herbicides
- Histamines
- Dithiocarbamates

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