

# Food Safety & Quality Assurance

*Assisting you with your number one priority*



WORLD RECOGNISED  
ACCREDITATION



## *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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