FOOD ANALYSIS

Advanced Analytical provides advanced scientific analytical services to clients from Australia and overseas. We test for an extensive range of organic and inorganic chemical contaminants for customers in all types of food. Emerging technologies and innovative and developing methodologies are our key drivers to facilitate testing to low levels of detection for contaminants that will meet or exceed all new regulatory guideline requirements for both exporters or importers of foods.

We offer:

- Low level detection of contaminants that meet or exceed regulatory specifications which includes for example;
  - All types of pesticides, herbicides, or insecticides
  - Fumigants or their by products like Ethylene Chlorohydrin in spices

- Detection of uncommon chemical residues using emerging analytical techniques which includes as examples;
  - Antibiotics of all types
  - Contaminant or unwanted dyes for example sudan dyes in chilli products
  - Organo metals for example Methyl Mercury in fish

- Testing for contaminants in a diverse and/or difficult matrices including for example;
  - Vegetable and fish oils
  - Honey or seafoods of all types

- Technical expertise and extensive experience in the analytical testing market of all types of foods for any type of organic and inorganic contaminant. We can develop new methods for the difficult analyses to suit your needs.

Some of our instrumentation and testing capabilities include:

- LC/MS/MS for low level detection of non-volatiles, for example detection of herbicides including glyphosate & 2,4-DB, or antibiotics such as chloramphenicol & nitrofurans in seafood or honey.

- High Performance Large Volume Injection GC/MS for very low level detection of an extensive range of pesticides & herbicides to meet international MRL guideline values.

- Headspace GCMS for volatile organic residues such as the dithiocarbamates and other difficult analytes.

- ICP-AES and CVAAS for routine trace element analyses in food matrices for example cadmium or mercury in nuts, or more challenging analyses such as selenium in potatoes.

We promise to deliver quality assured results on time and in full.