

Laboratory Accreditation Programmes

Schedule to

CERTIFICATE OF ACCREDITATION



AsureQuality Limited

Laboratory Services - Wellington Laboratory

Client Number 6881

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Programme

Chemical Testing Laboratory

Accreditation Number 131

Initial Accreditation Date 8 February 1980

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

2.31	Foods
2.32	Drugs and Pharmaceuticals
2.36	Agricultural Products and Agricultural Materials
2.41	Waters
2.58	Environmental Monitoring
2.61	Biological Specimens
2.70	Instrumental Techniques

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The following tests are in accordance with in-house methods, details of which are available on request.

2.31 Foods

(n) Residues in foodstuffs

Low Resolution GC-MS

Acrylamide in heat-treated foodstuff products
 Bisphenol A in dairy products, high moisture content foods

Head Space GC-MS

Acrylonitrile and vinyl chloride in dairy powder and eggs
 Aldehydes in dairy products
 Dithiocarbamate fungicides in agricultural products
 Residual solvents in oils and plant extracts

GC-MS/MS

Acid herbicides in agricultural products, plant material
 Dioxins in dairy products, animal fat, fish tissue and egg
 Polychlorinated Biphenyls (PCBs) in dairy products, animal fat, fish tissue and egg
 Pesticides in agricultural products, dairy products, foodstuff products, honey and animal tissue
 Phthalates in dairy products
 Polycyclic Aromatic Hydrocarbons (PAH₄) in dairy products and animal tissue
 Total PCBs in dairy powders


LC-MS/MS

Pesticides

Amitraz in honey
 Dithianon in apples and pears
 Maleic Hydrazide in bulb and root vegetables
 Paraquat and diquat in plant material
 Pesticides in agricultural products, dairy products, foodstuff products, honey and animal tissue
 Glyphosate, glufosinate and their metabolites in dairy, agricultural, honey and high sugar products
 Ethephon and phosphonic acid in agricultural products

Antibiotic and Antibacterial

Aminoglycosides in honey and Kiwifruit
 Amphenicols in foodstuff products
 Antibiotics in honey
 Carbadox and olaquinox in tissue
 Florfenicol as florfenicol amine in tissue, eggs and honey
 Nitrofurantoin metabolites in dairy products, seafood, egg, honey, tissue and meat products

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Nitrofurant antibiotics in honey and dairy products
 Nitroimidazole in seafood, tissue, egg and honey
 Quaternary ammonium compounds in dairy products
 Sulfonamide antibiotics in liquid foods, tissue
 Total ceftiofur (as desfuroylceftiofur) in liquid foods and tissues

Anticoagulants

Anticoagulants in dairy products

Antiparasitics

Anthelmintics in tissue, liquid dairy, eggs and animal feed

Beta agonists

Beta agonists in infant formula, liver

Antiprotozoals

Coccidiostats in tissue, dairy products, egg and egg products

Hormone compounds (natural / synthetic)

Plant growth regulators in fruit, vegetables and plant-based foods
 Steroids in foodstuff products

Sedatives

Isoeugenol in fish tissue
 Sedatives and anaesthetics in tissue and animal fat

Non-steroidal Anti-inflammatory Substances (NSAIDs)

Non-steroidal Anti-inflammatory Substances (NSAIDs) in tissue and dairy products

Antifungals

Triphenylmethane dyes in seafood tissue, fish meal

Poisons and toxins (natural/synthetic)

Amino alcohols and morpholine in fruit
 Chlorate and perchlorate in agricultural and dairy products
 Cyanuric acid and melamine in food products, food additives seafood and dairy
 Dicyandiamide in dairy products
 Monofluoroacetate in dairy powder, tissue, fish and honey
 Patulin in fruit juice and fruit pulp


Contaminants

Per and Polyfluoroalkyl substances (PFAS) in dairy products

LC-QTOF

Determination of Betalactam and Cephalosporin Antibiotics in Liquid Milk

HPLC

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Thiocyanate in milk products

Plate Bioassay

Antibiotics in tissue

Biochip Multiplex Array

Drug residue screen in liquid dairy products

Drug residue screen in powdered dairy products

2.32 Drugs and Pharmaceuticals

(i) Other products

LC-MS/MS

Polar pesticides in cannabis products

Head Space GC-MS

Dithiocarbamate fungicides in cannabis products

Residual solvents in edible oils and plant extracts

2.36 Agricultural Products and Agricultural Materials

(j) Residues in agricultural products and related materials

Head Space GC-MS

Dithiocarbamate fungicides in agricultural products

LC-MS/MS

Cyanuric acid and melamine in agricultural products

Glyphosate, glufosinate and their metabolites in soil and plant material

Per- and polyfluoroalkyl substances (PFAS) in soil, sediment and biosolids

Pesticides in agricultural products and animal tissue


Anticoagulants in animal feeds

Anthelmintics in animal feed

GC-MS/MS

Acid herbicides in agricultural products and plant material

Dioxins in agricultural products

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PCBs in agricultural products
 Pesticides in agricultural products and animal tissue

2.41 Waters

- (a) Potable waters
- (b) Non-potable waters
- (c) Sewage
- (d) Effluents and trade wastes

GC-MS/MS

Dioxins in water
 PCBs in water

LC-MS/MS

Glyphosate, glufosinate and their metabolites in potable and non-potable waters
 Per- and polyfluoroalkyl substances (PFAS) in water

2.58 Environmental Monitoring

- (b) Air
- (c) Soils and sludges
- (d) Other materials (including vegetation and biological materials)

Low Resolution GC-MS (b)


Volatile organic compounds in air from tubes and badge samplers based on NIOSH method 1500 "Manual of Analytical Methods" 1994

GC-MS/MS (c) (d)

Dioxins in animal fat and tissue
 Dioxins in soils/sediments
 PAH₄ in animal tissue
 PCBs in animal fat and tissue
 Pesticides in animal fat and tissue

LC-MS/MS (c) (d)

Per- and polyfluoroalkyl substances (PFAS) in soil
 Glyphosate, glufosinate and their metabolites in soil
 Pesticides in animal fat and tissue

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2.61 Biological Specimens

(b) Residues in specified veterinary specimens – biological tissues such as kidney, liver, muscle and fat tissue, urine, blood serum and plasma

GC-MS/MS

Dioxins in animal fat and tissue
 PCBs in animal fat and tissue
 Pesticides in animal fat and tissue
 PAH₄ in animal tissue

LC-MS/MS

Pesticides

Pesticides in animal fat and tissue

Antibiotics

Amphenicols in tissue, urine
 Carbadox and olaquinox metabolites in tissue
 Nitrofurantoin metabolites in tissue
 Nitroimidazoles in tissue
 Sulfonamide antibiotics in tissue
 Total ceftiofur (as desfuroylceftiofur) in tissue

Antiparasitics

Anthelmintics in tissue

Beta agonists

Beta-agonists in tissue and urine

Antiprotozoals

Coccidiostats in tissue

Hormone compounds (natural/synthetic)

Steroids in tissue and urine
 Thyreostats in urine

Sedatives

Isoeugenol in fish tissue
 Sedatives and Anaesthetics in tissue and animal fat

Non-steroidal Anti-inflammatory Substances (NSAIDs)

Non-steroidal anti-inflammatory drugs (NSAIDs) in tissue and urine

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Anticoagulants

Anticoagulants in tissue

Antifungals

Triphenylmethane and related dyes in seafood tissue, fish meal

Poisons and toxins (natural/synthetic)

Monofluoroacetate in tissue and fish

Plate Bioassay

Antibiotics in tissue


2.70 Instrumental Techniques

- (a2) Gas Chromatography/Mass Spectrometry (GC-MS)
- (a3) Gas Chromatography using GC-tandem MS (GC-MS/MS)
- (d2) Liquid Chromatography-Mass Spectrometry (LC-MS/MS)

All techniques pertain to classes of test 2.31, 2.36, 2.41, 2.58 and 2.61 as detailed above.

Explanatory Note:

This 2.70 class of test allows specifically approved senior analysts to develop, validate and use a new test method by the specified instrumental technique for a non-routine analysis in the classes of tests specified. The report over the analyst's personal signature may be endorsed with the IANZ Accreditation symbol. Should the method become routine, an IANZ technical assessment is required before the method can appear on the laboratory's scope of routine accredited tests.

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