



First class food and drink testing services

Eclipse Scientific Group is one of the UK's leading providers of food and drink testing services. Acquired by the Inspicio Group in 2006, Eclipse Scientific Group has over 20 years experience of offering a range of high quality analytical testing services across the UK and Ireland through our UKAS accredited laboratories.

As one of five key business areas within Eclipse Scientific Group, we are committed to ensuring that our food and drink testing services are the benchmark for all others in the industry.

Industry Leading Credentials

As one of 'the leading' names in food and drink testing, Eclipse Scientific Group has established a proud reputation through its high quality service to the food industry over the last 20 years. With accredited laboratories strategically located across the UK and Ireland we are able to offer our customers an unrivalled range of tests and services provided by our experienced and knowledgeable staff, backed up with the reassurance that comes from our extensive range of accreditations.

Testing services include:

- Microbiological •
- Chemical and Nutritional •
- Pesticides and Agrochemicals •
- Contaminants •
- Vitamins and Additives •

Range of product categories tested include:

- Chilled/Ready to Eat •
- Frozen •
- Ambient •



Unrivalled Range of Tests

As a market leader, Eclipse Scientific Group offers an unrivalled choice of food and drink testing services for an extensive range of food categories.

Integrity of Results

Our extensive industry experience and knowledge of the tests required for UK or EU compliance ensures that our customers can have complete confidence in the integrity of their results.

Customers work with us safe in the knowledge that their results are delivered accurately and reliably and are available to view either in hard copy, electronic format or by accessing our secure online portal.



Broad Geographical Coverage

With a fleet of over 40 refrigerated collection vehicles operating across the UK and Ireland, Eclipse Scientific Group is well equipped to service the needs of customers both large and small.

Each van within our modern fleet utilises the 'Green Road' code of practice and with temperature data logging on board we can ensure that sample integrity is maintained throughout.

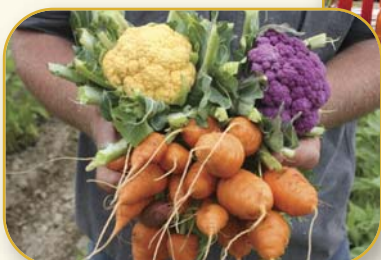


We service a great variety of customers operating across a wide range of industries, including:

- Dairy producers
- Drinks manufacturers, including water and soft drinks
- Exporters/Importers
- Food service
- Independent food producers
- Major food groups
- Primary producers
- Retailers
- Wholesalers

Accreditations:

- UKAS accredited to ISO 17025
- ISA for M&S testing
- DEFRA approved



Food and Drink Testing Services

Microbiological

Ensuring food is safe from microbiological contamination is a priority and a legislative requirement at all stages of the food chain. Through our network of accredited laboratories, highly experienced staff and extensive range of microbiological tests, Eclipse Scientific Group provides customers with cost-effective quality assurance from 'farm to fork'.



Microbiological tests include:

- **Pathogens**
 - Campylobacter
 - E.coli O157
 - Listeria
 - Salmonella
 - Shigella
 - Vibrio
 - Yersinia
- **Typical enumerations**
 - Coliforms
 - E.coli
 - Enterobacteriaceae
 - Pseudomonas
 - Spore counts
 - Staphylococcus aureus
 - Total Viable Count (TVC)

Chemical and Nutritional

Eclipse Scientific Group has an unrivalled reputation for providing detailed chemical and nutritional analysis. With a wide range of nutritional tests, modern high tech laboratory equipment and experienced and qualified staff, customers have the added reassurance of laboratories holding UKAS accreditation for the majority of tests carried out.

Chemistry tests include:

- **Specialist chemistry testing**
 - Allergens
 - Cholesterol
 - Fatty acids profile
 - Fructans
 - Metals
 - Minerals and trace elements
 - Mycotoxins
 - Omega 3
 - Omega 6
 - Preservatives
 - Polyols
 - Sugar profiles
 - Trans fatty acids
 - Vitamins and additives
 - Pesticide residues
 - Veterinary residues
 - Contaminants

• Nutrition

- Basic (Group 1)
 - Ash
 - Carbohydrates (by difference)
 - Energy
 - Fat
 - Moisture
 - Protein
- Basic (Group 2)
 - Ash
 - Carbohydrates (by difference)
 - Dietary fibre
 - Energy
 - Fat
 - Fatty acid profile
 - Moisture
 - Protein
 - Sodium
 - Sugar
- Vitamins and minerals testing is optional

• Meat content

- Basic
 - Ash
 - Fat
 - Moisture
 - Protein
- Regulatory
 - Ash
 - Fat
 - Hydroxyproline
 - Moisture
 - Protein

• Trace elements and minerals

- Calcium
- Cobalt
- Copper
- Iodine
- Iron
- Magnesium
- Manganese
- Phosphorus
- Potassium
- Salt determined via chloride
- Selenium
- Sodium
- Sulphur
- Zinc

Pesticides and Agrochemicals

With over 22 years experience testing for pesticides and agrochemicals Eclipse Scientific Group is recognised as one of the market leaders in this sector. Offering a comprehensive range of accredited tests for pesticide residues, we provide extensive support to the agrochemical industry in developing procedures to detect new pesticides and their metabolites.

Our expert staff offer a number of residue analysis services including the testing of:

- **Finished products**
- **Irrigation waters**
- **Specialist contaminants**
 - Melamine
 - Nicotine
 - Sudan
- **Veterinary residues**
 - Eggs
 - Farmed fish
 - Meat/poultry
 - Milk

Our team have knowledge and experience of not only the analysis of individual or groups of pesticides but also targeted pesticide testing specific to certain foods or crops.

Tests include multi-residue screening, GCMS, which covers over 150 compounds, and LCMS covering an additional 50 compounds which can be requested when necessary.

Multi-residue screening for over 150 compounds (GCMS), including:

- Dicarboximide
- Organochlorine
- Organonitrogen compounds
- Organophosphorus
- Pyrethroid
- Triazine



Agrochemical Industry Support

Eclipse Scientific Group is a leading expert in the industry. Providing clients from the agrochemical industry with extensive support, we assist them in developing new tests and processes to detect any new pesticides and metabolites that may be present in the food chain. Including GLP studies we also:

- Perform analytical method development
- Validate customers' own methods or ones recently developed
- Analyse finished products for crop residue trials and soil dissipation studies
- Undertake storage stability work in temperature and humidity controlled cabinets or rooms
- Complete post registration monitoring to determine whether new compounds can be detected using established multi-residue screening methods
- Advise on spray programme interpretation and developments in legislation



Contaminants

The substances which can contaminate foodstuffs range from highly regulated pesticide residues to chance traits which have transferred from packaging materials. The majority of our work in this area relates to testing for heavy or toxic metals residues and mycotoxins such as aflatoxins, ochratoxin, zearalenone and deoxynivalenol.

Vitamins and Additives

Eclipse Scientific Group has an established reputation as the UK's leading provider of analytical testing services for vitamins and additives. Offering a comprehensive range of UKAS accredited tests, customers receive fast and accurate analysis of their samples through the use of HPLC, Biacore (SPR) technology and microbiological assay techniques with robotic diluters where appropriate.

Including elements of nutritional chemistry testing, for example the tests offered to obtain group 1 and group 2 nutrition results, we also provide a number of vitamin, additive, contaminant and allergen tests.

Vitamin Testing

Vitamins are analysed at all levels from premixes and supplements through to fortified and natural finished products.

Vitamins that are routinely tested for include:

- Vitamin A (Retinol)
- Vitamin B1 (Thiamine)
- Vitamin B2 (Riboflavin)
- Vitamin B3 (Niacin)
- Vitamin B5 (Pantothenate)
- Vitamin B6 (Pyridoxine)
- Vitamin B12 (Cyanocobalamin)
- Vitamin C (Ascorbic acid)
- Vitamin D2 (Ergocalciferol)
- Vitamin D3 (Cholecalciferol)
- Vitamin E (Tocopherol acetate)
- Vitamin K3 (Menadione)
- Beta carotene
- Biotin (Vitamin H)
- Choline (Vitamin B4)
- Folic Acid (Vitamin B9)

Additives

What can and can't be added to our food is defined by the Miscellaneous Food Regulations 1995 and the Sweeteners in Food Regulations 1995. Along with imported goods, food is checked for a number of additives. We provide a range of tests to satisfy regulatory requirements.

Additives tested for include:

- Amino acids
- Antioxidants (BHA, BHT, ascorbic acid)
- Illegal colours (Sudan I to IV, para red, orange II, rhodamine)
- Mineral supplements
- Preservatives (benzoic and sorbic acids, sulphur dioxide)
- Synthetic sweeteners (aspartame, saccharin, acesulfame K)

Allergens

With more awareness around allergic reactions to various foodstuffs, it is important for all foods to display the relevant allergen information. We can arrange a number of allergens tests based on EU regulations, including:

- Cereal gluten
- Eggs
- Histamine
- Milk components
- Nuts
- Soya
- Sulphur dioxide



For more detailed information on any of the food and drink testing services we offer, please visit our website, www.eclipsescientific.co.uk/foodanddrinktesting.

**For further information please contact
Customer Services:**

Telephone: +44 (0) 1354 697 028
Fax: +44 (0) 1354 697 102
Email: sales@eclipsescientific.co.uk
Web: www.eclipsescientific.co.uk

Eclipse Scientific Group
Medcalfe Way
Bridge Street
Chatteris
Cambridgeshire
PE16 6QZ

