



Market Focus & Analytical Service Capability

Operating from Cawood, near York in North Yorkshire, Sciantec Analytical, a division of the Cawood Scientific Group offers unrivalled strength and depth of expertise in the animal nutrition and health sectors. It provides a complete analytical capability for customers in the animal nutrition (agricultural livestock, companion animals, equine & aquaculture), grain and combinable crops sectors. Customers include blue chip companies, livestock advisory consultancies, animal feed and premix manufacturers, pharmaceuticals and diagnostics businesses, contract research organisations, food producers, and other specialist laboratories.

The company's origins go back to the 1900s and the 'British Oil and Cake Mills' (later BOCM) laboratory. Today Sciantec has the analytical ability to assess, quantify, evaluate and appraise the raw materials for animal feedstuffs and the feeds themselves, pharmaceutical compounds, pre-mixes, forages and combinable grains and pulses. This includes everything from standard and complex wet chemistry through to Near Infrared spectroscopy analysis. In detail, the Sciantec laboratory provides analytical services covering:

Analytical Areas	Analysis Information
Raw Materials	Nutrition, minerals, trace elements, heavy metals, undesirable substances, mycotoxins, dioxins, PCBs, melamine, pesticide residues & microbiology
Animal Feedstuffs	Nutrition, pigments, vitamins, minerals, trace elements, heavy metals, undesirable substances, mycotoxins, dioxins, PCBs, melamine, in-feed medications, drug & pesticide residues, microbiology & research
Premixes	Nutrition, minerals, trace elements, heavy metals, undesirable substances, dioxins, PCBs, vitamins, medicines & microbiology
Pharmaceutical compounds	Active ingredients, minerals, trace elements, heavy metals, contaminants, medicines & microbiology
Forages	Nutrition, minerals, trace elements, heavy metals, volatile fatty acids, contaminants, mycotoxins & microbiology
Combinable Grain and Pulses	Nutrition, oil & oil quality, minerals, trace elements, heavy metals, contaminants, mycotoxins, germination, grain quality & microbiology
Primary Food	Nutrition, minerals, trace elements, heavy metals & contaminants
Microbiology	<ul style="list-style-type: none"> • Clostridium perfringens including ABPR testing • Coliforms & E. Coli • Enterobacteriaceae inc. ABPR (2011 Testing) • Enterococci • Listeria spp inc. Listeria monocytogenes • Moulds/Yeasts • Pseudomonas spp inc. Ps. Aeruginosa • Salmonella inc. ABPR (2011 Testing) • Staphylococcus aureus • Total viable count: aerobic/anaerobic (22°C, 30°C & 37°C)

The facility also has significant expertise in organising and operating Proficiency Testing Schemes on a UK and global basis.

Other services include:

- Advice on sampling & testing schedules;
- Mixer trials results interpretation & provision of mixer dispersion charts;
- Statistical summaries to facilitate review & assessment of QC programmes;
- Medicinal recovery & residue testing service;
- Maintenance & validation of customer's NIR calculations;
- Anaerobic Digestion – Theoretical Biogas, Inhibition Testing



The overall operation at Sciantec Analytical is underpinned by a comprehensive internal quality system with UKAS (United Kingdom Accreditation Service) accreditation (BS EN ISO/IEC 17025:2005) for a range of chemical and microbiology tests. Sciantec participates in the Performance Testing schemes of:

- **AAFCO** – (Association of American Food Control Officials)
- **AFPS** – (Animal Feeds Proficiency Scheme)
- **FAPAS** (Food Analysis Performance Assessment Scheme)
- **FEPAS** (Feed Examination Performance Assessment Scheme)
- **Forage Analysis Assurance Ring Tests** administers by the FAA
- **FOSFA** – (The Federation of Oils, Seeds and Fats Associations)
- **GAFTA Analysts scheme**
- **MAPS** (Malt Analytes Proficiency Scheme)
- **Nabim** – Mill Intake Laboratory Proficiency Scheme (National Association of British and Irish Flour Millers)
- **QFCS** (Quality in Food Chemistry Scheme)
- **QWAS** (Quality in Water Analysis Scheme)
- **Romer Labs Mycotoxins Check Sample Survey** (Sciantec now has full UKAS accreditation for mycotoxins)
- **United Kingdom NIR Grain Network Ring Test**
- **VLA VETQAS** – Proficiency testing for Veterinary Laboratories
- **WEPAL** – (Wageningen Evaluating Programmes for Analytical Laboratories) - IPE (International Plant-Analytical Exchange)
- **WGN** – (World Grain Network Ring Check Scheme)

Sciantec is also approved by:

- DEFRA under the Animal By-Products Regulations 2011
- AIC under TASCC (Trade Assurance Scheme for Combinable Crops)
- GTAS (GAFTA Trade Assurance Scheme)



Under the quality systems for NRM, Sciantec and Sci-Tech, security protocols and data handling procedures are in place to provide a completely confidential service to all customers.



The Cawood Scientific Group

Sciantec Analytical is one of three divisions that make up Cawood Scientific, a company dedicated to the delivery of sound science to help customers manage their businesses effectively and profitably.



NRM Laboratories is a specialist laboratory with an analytical capability encompassing all aspects of crop production, the environmental and renewable energy sectors.



Sci-Tech Laboratories provides an independent and comprehensive veterinary diagnostic service encompassing all aspects of bacteriology, serology and molecular diagnostic (real-time PCR) analytical testing.



Sciantec Analytical
Stockbridge Technology Centre,
Cawood, North Yorkshire YO8 3SD
Tel: 01757 242 400 Fax: 01757 242 401
www.sciantec.uk.com



NRM Laboratories
Coopers Bridge, Braziers Lane,
Bracknell, Berkshire RG42 6NS
Tel: 01344 886 338 Fax: 01344 890 972
www.nrm.uk.com



Sci-Tech Laboratories
The Grove, Craven Arms,
Shropshire SY7 8DA
Tel: 01588 672 600 Fax: 01588 672 880
www.scitech-labs.uk.com



Sciantec Analytical, NRM Laboratories and Sci-Tech Laboratories are divisions of Cawood Scientific Ltd