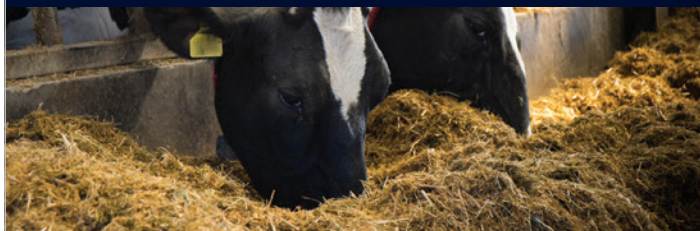




Forage NIR analysis
for optimal livestock
nutrition management



With over 30 years' experience in animal feed analysis, **Sciantec is one of the UK's largest providers of specialist forage analysis. Testing forages enables better management of herd nutrition, crop nutrition, and tailoring of fertiliser programmes. This helps provide the highest quality nutrition possible for optimal animal welfare and productivity.**

Sciantec tests forages including fresh grass, grass silage, maize silage, whole crop, alkalage, lucerne, hay and haylage, as well as other forages including crimped cereals. We also analyse dietary minerals including macro minerals, micro minerals and antagonists, and test VFA, lactic acid, ethanol and propanol by wet chemistry.

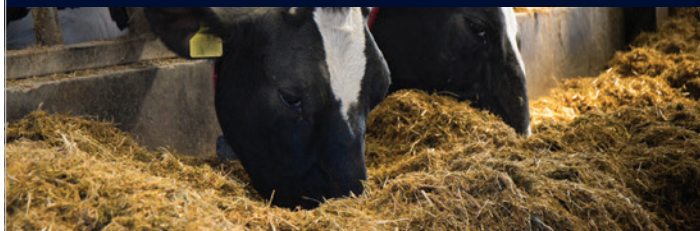
Sciantec is a member of the Forage Analysis Assurance Group and is a UKAS and GMP+ accredited laboratory.



How to provide forage samples for analysis

The best way to take a clean, representative sample is to take multiple samples from the whole field (for fresh grass) or across the clamp face (for silage).

- Take samples in a 'w' pattern
- Combine, mix thoroughly, and split the samples to provide a single representative sample
- Fill a sample bag with a representative sample
- When you fill your sample bags (one per sample), make sure all the air is squeezed out
- The details written on the bag must correspond with those completed on the request forms provided by the laboratory (one per sample)
- Samples should then be posted to the laboratory for testing in the 'track & trace' envelopes provided
- Avoid sending samples towards the end of the week to prevent them being held in transit over the weekend.



With over 30 years' experience in animal feed analysis, Sciantec is one of the UK's largest providers of specialist forage analysis. Testing forages enables better management of herd nutrition, crop nutrition, and tailoring of fertiliser programmes. This helps provide the highest quality nutrition possible for optimal animal welfare and productivity.

Sciantec tests forages including fresh grass, grass silage, maize silage, whole crop, alkalage, lucerne, hay and haylage, as well as other forages including crimped cereals. We also analyse dietary minerals including macro minerals, micro minerals and antagonists, and test VFA, lactic acid, ethanol and propanol by wet chemistry.

Sciantec is a member of the Forage Analysis Assurance Group and is a UKAS and GMP+ accredited laboratory.

A new and improved NIR service

In Near Infrared Reflectance spectroscopy (NIR) analysis, infrared light is used to analyse feed materials for their nutritional content. The results are generated from the correlation between the spectra produced by scanning a material through the NIR machine and the calibrations that have been developed.

We have invested in new NIR instrumentation for quality forage analysis. This state-of-the-art equipment has an updated configured sample interface and a wider wavelength range, enabling scanning of a greater area and better reproducibility over non-homogenous samples such as forage.

This investment is part of our commitment to continuous improvement, with results more accurate, robust, and reliable than ever before.

Your forage analysis services

Nutritional results by NIR for all forage types except hay/haylage, alkalage and wholecrop forages are available within 24 hours from receipt at the laboratory, with individual result reports provided for each sample. The results are reported on a 'Dry Matter' (DM) basis stated as low, standard, or high for each parameter reported. Hay, haylage, and whole crop analysis is available within 48 hours of receipt, whilst mineral analysis results and wet chemistry fermentation characteristics (VFA, lactic acid, ethanol and propanol) results are available within 9 working days.

This rapid turnaround enables customers to utilise results as soon as possible to help adjust rations and take into account variability of nutritional quality within a clamp.

Different styles of reporting are available, including data file exports for use with rationing programmes, as well as summary reports. If requested, we can personalise reports with a company logo. Results are sent by email for rapid receipt.

Sample bags, submission forms, and 'track & trace' envelopes ('track & trace' envelopes for UK use only) are provided as part of the package.

Contact us on 01757 242400
www.cawood.co.uk/sciantec



Stockbridge Technology Centre,
Cawood,
North Yorkshire
YO8 3SD

Customer services:

01757 242400

customer.services@sciantec.uk.com



www.cawood.co.uk