Trace elements, mycotoxins, protein, moisture and much more – get up to date with new opportunities in feed analysis at IPPE

Visit FOSS at booth A2933

2024 may have only just started, but it is already a great year for innovation in the analysis of feed and pet food, as FOSS will be pleased to demonstrate at IPPE. Our experts will be ready to give live demonstrations of solutions for accelerated element analysis, automated mycotoxin testing and rapid tests for protein, moisture, fat and much more.

Accelerated analysis of trace elements with LIBS

Taking center stage at the FOSS booth is a brand new solution for testing for key trace elements in feed and forage. The new Micral™ (https://www.fossanalytics.com/en/products/micral) makes innovative use of laser induced breakdown spectroscopy (LIBS) to improve throughput and turnaround time while also reducing the need for skilled operators in the laboratory. It tests samples such as grass silage, corn silage, hay, and others for six macro elements and six micro elements. An autosampler cassette can run 60 samples in one go, significantly increasing time-to-result while reducing cost-per-test.

NEW! Introducing Micral™

Hands-free testing of multiple mycotoxins

Time and cost savings are also the name of the game when it comes to testing mycotoxins with the MycoFoss™ instrument. Users simply place a sample in the instrument and press start. This saves time in the lab and avoids the risk of inconsistencies associated with manual methods. Users of the MycoFoss™ also report how the ability to get tests for up to six mycotoxins at the push of a button is providing a clearer and more sophisticated overview of the mycotoxin threat, as in this case story from a major global feed producer: https://www.fossanalytics.com/en/news-articles/feed-and-forage/automated-mycotoxin-analysis-is-key-to-quality-end-products

Key data on everything from animal feed to rendering products

Complementing the mycotoxin and element analysis options, are a range of high-performance near infrared (NIR) solutions for a wide variety of analytical tasks in the feed mill or laboratory. In today's volatile industry, rapid multiparameter tests on animal feed, feed ingredients and finished feed and pellets help to navigate unpredictable supply chains and market demands.

The same, multiparameter analysis capability, is becoming increasingly important in the dynamic rendering industry, for instance, for testing fat, moisture, protein, and ash in meal used to ensure the consistent quality characteristics required to slot into predefined pet food formulas. More details can be found in this case story: https://www.fossanalytics.com/en/news-articles/meat/protein-fat-and-ash-how-the-rendering-industry

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