



## ANIMAL FEED

**FROM FIELD TO TROUGH, TAKE EXTRA CARE WHEN MONITORING THE SANITARY QUALITY OF PRODUCE**

Regular tracking of sanitary quality and greater transparency in the raw materials supply chains thanks to document traceability are two factors with an increasingly important role to play when it comes to securing trade within the animal feed sector.

With its recognised expertise and multiple skill sets, SGS can offer services adapted to meet the various requirements at every stage in production, from raw materials (cereals, fodder, co-products and ingredients) to finished products, and including semi-processed goods.

## KEEPING CONTROL OVER RAW MATERIAL SUPPLIES...

The inspection and supervision services from SGS<sup>1</sup> fulfil the requirements of international agreements handled by GAFTA, FOSFA, or French INCOGRAINS agreements:

- sampling,
- cleanliness inspection and checks for all means of transport,
- Determining weight and field checks of product quality,
- Rapid analysis at the time of loading, to check for the presence of mycotoxins or GMOs.

SGS intervenes at different stages of the production and transport process to prevent cross-contamination.

- Audit of raw material road transport, storage and production conditions in accordance with the QUALIMAT, CSA, GTP and GMP standards, or barge and canal boat transport in accordance with the GMP OVOCOM standard,
- Fumigation and other methods to control pests that infest goods stored in warehouses and silos and all means of transport.

## ... RIGHT UP TO QUALITY CONTROL OF THE

## FINISHED PRODUCT

SGS<sup>2</sup> laboratories fulfil inspection plan and statutory requirements concerning analysis, control, safety and traceability.

### QUALITY CONTROL

- Water content,
- Proteins,
- Starch,
- Ash,
- A/B fats,
- Cellulose,
- Total sugars,
- Microscopic composition – search for animal meal,
- Vitamins A, E and D.

### PURITY AND FOOD SAFETY

- Mycotoxins: aflatoxins B1, B2, G1, G2, Deoxynivalenol (vomitoxin), zearalenone, ochratoxin A,
- Heavy metals: lead, arsenic, mercury, cadmium,
- Pesticide residues,
- Drug residues,
- Dioxines and PCBs,
- Determination of fumigants: methylene bromide, hydrogen phosphide,
- Detection and quantification of GMOs,
- Varietal identity and purity
- Radioactivity: Caesium 134 and 137, ...
- Naturally Occurring Prohibited Substances (NOPS).

<sup>1</sup> Our inspection staff have COFRAC accreditation (SGS Agri Min, accreditation N° 3-0638 scope available on [www.cofrac.fr](http://www.cofrac.fr)) in compliance with standard ISO 17020.

<sup>2</sup> Our laboratory is COFRAC accredited (SGS Multilab, accreditation N° 1-0281 scope available on [www.cofrac.fr](http://www.cofrac.fr)) and a GPL recognised facility.

## ABOUT THE SGS GROUP

As the world leader in inspection, testing, analysis and certification, SGS is an independent network employing more than 80,000 people in over 1,650 offices and laboratories across the world.

SGS helps to improve the productivity of your business over the long term by checking the compliance of your products and processes while reducing your industrial risk.

SGS constantly reviews its services to offer clients innovative solutions to develop their business further.

## SPOTLIGHT ON...

### A QUICK AND ACCURATE METHOD FOR ANALYSING NATURALLY OCCURRING PROHIBITED SUBSTANCES IN ANIMAL FEED

Naturally Occurring Prohibited Substances (NOPS) are biomolecules produced by certain plants and which have an impact on animal and human health if swallowed. They all have toxicological properties and pharmacodynamic activity. For example, scopolamine and atropine, which naturally occur in belladonna and datura, are antimuscarinic and anticholinergic molecules.

NOPS are real doping substances and can accidentally appear in animal feed and may, therefore, see competitive animals being disqualified from competitions (e.g. racehorses) if a drugs test turns out positive.

To prevent the contamination of goods with NOPS, SGS laboratories have developed and optimised a quick and accurate analysis method to detect and quantify very low quantities of these substances (down to just a few dozen µg/kg) in agricultural raw materials and finished products for animal feed.

## YOUR CONTACTS

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WHEN YOU NEED TO BE SURE

**SGS**