



VETERINARY DRUG RESIDUE TESTING

MONITORING LIMITS FOR A SAFER

FOOD SUPPLY CHAIN

INDEPENDENCE
INTEGRITY
TRUST
RELIABILITY
QUALITY



We all benefit from commercially produced veterinary drugs that improve animal health and reduce production costs. For over 50 years, anti-microbial medicines and hormones have been commonly used in farming practices to treat disease and promote growth in animals and seafood.

The majority of animal products remain safe but the illegal use of prohibited drugs can leave harmful residues in animal products that enter the food supply chain. Veterinary Drug Residue Testing maintains the quality image of your animal products. We supply testing you can trust, delivered by an international network of laboratories and expert technicians. To protect consumer health and meet worldwide regulations, you need accurate results of the residue levels required for your seafood, meat or other products. Partnering with SGS is an assurance of the safety controls you place on your products intended for human consumption.

SGS is the world's leading inspection, verification, testing and certification company. Recognized as the global benchmark for quality and integrity, we employ over 75,000 people and operate an international network with over 1,500 offices and laboratories around the world.

THE RISKS FROM VETERINARY DRUG RESIDUES

Harmful animal drug residues in the food chain pose a threat to consumers. Whether residues arrive in the food chain by illegal use of prohibited drugs, or legal drugs inappropriately administered, the fact remains that human ingestion of animal drug residues has been linked to increased drug-resistance of bacteria that cause human diseases. In addition to the development of resistant bacterial strains, the use of growth hormones and anti-inflammatory drugs has also come under the scrutiny of regional and international organizations. It has been identified that when residues containing growth hormones which have carcinogenic properties and anti-inflammatory drugs pass into the food chain it can lead to gastrointestinal problems.

With strict regulations and government controls worldwide, the monitoring of animal drug residues is becoming increasingly complex and demanding. For farmers, producers, processors, importers or exporters of animal-based food products the risk of failing to comply with legally permitted maximum limits can affect not only your brand and your profits, but also consumer health.



THE BENEFITS

With Veterinary Drug Residue Testing you have access to our expert teams, who have extensive knowledge of all aspects relating to veterinary drug residue issues. We provide extensive testing so that you can ensure the safety of your products and retain consumer trust in your brand. Our global presence means we can ensure your products are safe to market, reducing risk to everyone involved in your global food chain.

VETERINARY DRUG RESIDUE TESTING

As the acceptable level for residues in products becomes lower and lower, and the scope of substances needing monitoring widens, you need to ensure your products are being checked using the most up-to-date testing methods. SGS continues to develop best-testing practices in the veterinary drug residue sector and our rigorous screening program ensures that your products meet even the most stringent testing levels. When it comes to protecting consumers' health and meeting your statutory requirements as an involved player in the food supply chain, our international network of laboratories and global reach make it easier for you to deliver a safe and trusted product. We test for drug residues using the following:

- Liquid Chromatography - Mass Spectrometer – Mass Spectrometer (LC/MS-MS)
- HPLC-FLD with Fluorescence detection
- HPLC-PCD with Post Column Derivatization
- High Performance Liquid Chromatography with Ultraviolet Spectrophotometer (HPLC-UV)

We can test for a wide range of veterinary drug residues, including:

IN SEAFOOD :

- Fluoroquinolones
- Malachite green, Crystal (Gentian) violet, Brilliant green
- Nitrofurans metabolites
- Chloramphenicol

IN MEAT, POULTRY OR OTHER PRODUCTS :

- Aminoglycosides
- Beta-lactams
- Chloramphenicol
- Macrolides
- Ivermectin
- Nitroimidazoles
- Quindones
- Sulphonamides
- Clenbuterol
- Carbadox, Ractopamine, Diethylstilbestrol, and others

WHY SGS ?

SGS provides a comprehensive suite of solutions to the food industry combining audits and certification, testing and analysis, inspection, training and technical services.

Contact details:

SGS BROOKINGS

241 34th Avenue
Brookings, SD 57006
Tel: 877-692-7611
Fax: 605-692-5908
E-mail: analytical.brookings@sgs.com
Web: www.sgs.com/us-vet

WWW.SGS.COM

WHEN YOU NEED TO BE SURE

