



GLP AND CONTRACT LABORATORY RESEARCH SERVICES
QUALITY AND COMPLIANCE

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SGS

SGS North America's Agricultural laboratories have the equipment and experience necessary to service your complete GLP and contract laboratory research testing needs. With cutting edge technology and the latest testing methods, our trained scientists are able to handle your specialized testing protocols and regulatory studies to meet required standards. Our laboratories are ISO 17025 and ISO 9001 accredited and work with multi-national companies throughout the world.

SGS performs projects for product development and approval requirements in accordance with GLP principles. We have extensive experience in specific methods for active ingredients of pesticides, biocides, antibiotics and fertilizers. SGS North America laboratories can coordinate with SGS EU GLP laboratories to support global registration initiatives.

THE SGS TEAM

SGS Brookings is one of SGS's agricultural laboratories with a team of experienced analytical chemists and specially trained laboratory staff that are dedicated to contaminant analysis utilizing **over 50 years of combined experience** in pesticide residue analysis, as well as state of the art equipment. Our staff is trained annually for GLP protocols.

INSTRUMENTATION

SGS conducts residue analyses with the latest methods and equipment, such as;

- LC/MS/MS, GC/MS
- HPLC, GC
- ICP/MS, ICP/OES
- Microwave digestion
- Polymerase Chain Reaction (PCR)
- Immunoassay

CONTAMINANTS ANALYZED

- Pesticide residue
- Antibiotics
- Mycotoxins
- Melamine and by-products
- Transgenic events and proteins
- Regulated materials

STUDY TYPES

- Method development and validation
- Independent laboratory validation
- Determination of residues in all matrices such as plants, processing products, soil, water, air, animal matrices, body fluids and commodity goods
- Accompanying analytics and ecotoxicology
- Investigation of storage stability
- Investigation of product equivalence
- Analysis of minor constituents and contaminants

RECENT STUDIES

ACTIVE	INSTRUMENT	MATRIX
Fluthiacet-methyl and metabolite	LC/MS/MS	Plant tissue
Imidacloprid	LC/MS/MS	Plant tissue
Thiamethoxam	HPLC	Seed
Thiabendazole	HPLC	Seed
Abamectin	HPLC	Seed
Cyantraniliprole	HPLC	Seed
Sedaxane	HPLC	Seed
Erythromycin	LC/MS/MS	Feed ingredient
Penicillin G	LC/MS/MS	Feed ingredient
Tylosin	LC/MS/MS	Feed ingredient
Tetracycline	LC/MS/MS	Feed ingredient
Virginiamycin M1	LC/MS/MS	Feed ingredient
Cry1F	ELISA immunoassay	Soil, water

SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION TESTING AND CERTIFICATION COMPANY

For more information please contact:

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WHEN YOU NEED TO BE SURE

SGS