



# SEED TESTING SERVICES

## GLOBAL REACH WITH A LOCAL TOUCH

For more than 130 years, SGS' reputation for quality services and integrity has been second to none. With a presence in nearly every single region around the globe, our experts speak the local language, understand the diversity of the local market and operate globally in a consistent, reliable and cost-effective manner. From precision farming to regulatory affairs and from seed testing to harvest monitoring, we offer independent and accurate studies and results.

## THE SGS ADVANTAGE

The SGS Brookings site has been in operation for more than 20 years and is the world's largest independent seed testing laboratory with over 400 years of combined experience in the seed testing industry. Our staff have various certifications (including RST, RGT, CVT and CGT) and are on hand to answer all of your questions.

We test more than 500 different species, including: corn, soybean, sorghum, rice, wheat, sunflower, tomato, alfalfa, peppers, grass mixtures, lettuce, onion, flowers, cereals, vegetable oil seeds, legumes and more.

### TRADITIONAL SEED VIGOR TESTING

- Cold/Warm germination
- Saturated cold
- Accelerated aging
- Electrical conductivity

### PCR ANALYSIS

- Event identification on leaf, seed or processed materials
- Quantification of GMO levels on seed or processed materials

### GENETIC PURITY

- Hilum color examinations
- Hypocotyl color examinations
- Phenol testing
- Peroxidase activity testing
- Florescence testing
- Purity level for single seed analysis

### PHYSICAL PURITY

- Visual examination for pure seed, contamination by other species, and inert material
- Color sorting of RIB (Refuge in a Bag) corn

### TRAIT CONFIRMATION

- Herbicide bioassay and sprayover tests
- Insect resistance trait purity testing using ELISA analysis

### SEED EXPORT SERVICES

- ISTA authorized sampler training
- ISTA Orange (OIC) and Blue International (BIC) certificates
- Inspection Services

### LABORATORY RESEARCH SERVICES

- Seed safety and storage trials
- Seed quality assurance method development
- Seed treatment dust off studies and trial study preparation
- Seedling growth rate studies
- Plantability assessments
- Herbicide trait detection method development

### GLP (GOOD LABORATORY PRACTICES)

- Sample processing
- Confirmation of SOPs, study protocols, method development
- Pesticide residue testing on feed, food, crops and soil
- Protein expression studies
- Seed treatment application and application verification
- Study directorship

### AUDIT SERVICES

- Non-GMO certification
- Global G.A.P.
- GMP+
- ISCC
- Other 2nd and 3rd party audits

### ANALYTICAL SERVICES

- Seed treatment application verification (STAV)
- Compositional analysis (fatty acid profile, protein, oil, etc.)
- Mycotoxin analysis

### FIELD SERVICES

- GLP Field Studies
- Dissipation and accumulation studies
- Registration services
- Efficacy field trials
- Specialty studies available

## WHY SGS?

Our laboratory is ISO 9001 certified, as well as ISO 17025, OECD and ISTA accredited. Our Brookings field and laboratory are EPA inspected for adherence to GLP standards.

We offer best-in-class customer service and IT support and provide same-day planting of samples and instant online reporting available 24/7 via our password protected website.

SGS delivers expert services locally to support agriculture globally.

Contact:

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

**WHEN YOU NEED TO BE SURE**

**SGS**