



EXPERTISE



TRUST



QUALITY

GMO TESTING

MAKING THE DIFFERENCE

**INNOVATIVE QUALITY, ASSURANCE, TRACEABILITY &
SUSTAINABILITY FOR GRAINS AND FOOD**

SGS

Canada enjoys an outstanding global reputation for the supply of top-quality grains and food. Canadian producers serving domestic and international markets need to be able to demonstrate the quality of grains and food, its GMO status to clients and the supply chain.

As commercial planting of GMO crops extends around the world, SGS has developed highly accurate and efficient GMO testing to ensure national and international controls are met, ensuring growers' ability to trade with countries specifying GMO-free products.

Many countries prohibit the use of GMO in food products. From local bakery businesses to global snack brands, the grains used as raw ingredients need to comply with local GMO regulations. Our genomics testing laboratory can test and certify your grain and food products.

SGS SERVICES

We use DNA-based qualitative and quantitative PCR testing to determine GMO levels in grains, food and feed products. Samples are tested with Real-Time PCR using TaqMan technology for specific GMO events or broader promoters, terminators, constructs used in several GMO events.

GMO TESTING

We deliver three types of testing:

- Qualitative testing – detects the presence of GMO material, or confirms its absence (detected/not detected (ND))
- Quantitative testing – reports the amount of GMO material found as:
 - A percentage
 - < 0.1%, or
 - ND (not detected)
- Semi-quantitative testing – available depending on the product

We test a broad range of grains and end products, such as:

- Flax
- Canola
- Corn

- Soybean
- Alfalfa
- Wheat
- Processed products (such as finished bakery and snack products)

QUALITY TESTING

All grain needs to be proven safe and of good quality when it enters the bakery and snack food supply chain. We offer a range of quality testing services, for parameters including:

- Grain grading
- Falling number
- Moisture estimation
- Protein estimation
- Mycotoxin quantification

ISO/IEC 17025 ACCREDITATION

SGS's Saskatoon Genomics lab has ISO/IEC 17025 accreditation for corn, soybean, canola, wheat and flax GMO testing. As per ISO/IEC 17025 requirements, our laboratory regularly participates in proficiency testing programs organized by USDA-GIPSA (corn and soybean), ISTA (canola), Canadian Grain Commission (Flax), Canadian Food Inspection Agency (wheat).

NON-GMO PROJECT APPROVED LAB

Our Saskatoon Genomics lab was the first in Canada to become Non-GMO Project Verified, the market leading scheme for GMO avoidance.

WHY CHOOSE SGS?

We provide a complete suite of analytical services, offering unrivaled experience and expertise, the

latest technologies, state-of-the art laboratories, experienced staff and a unique standardized global network. Industry-leading turnaround times, competitive pricing and exceptional customer service complete our offer.






TECHNOLOGY & INNOVATION

Innovation is at the heart of the way we do business. We embrace new technologies that deliver knowledge, insight, transparency and efficiency to help you to manage quality, safety and profitability.

SGS Digicomply

Simplify compliance with access to the constantly evolving pieces of legislation and standards relating to food and agriculture. With a modular architecture, choose different features to transform compliance information into user-friendly actionable knowledge.

SGS BENEFITS

-  Fast turnaround times
-  State-of-the-art laboratories
-  Technical competence
-  Competitive pricing
-  Customized service

CONTACT US

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EXCELLENCE

WHEN YOU NEED TO BE SURE

SGS