



EXPERTISE

GRAINS ANALYTICAL TESTING LABORATORY

# MAKING THE DIFFERENCE

COMPREHENSIVE TESTING SOLUTIONS FOR YOUR CEREAL PRODUCTS



TRUST



QUALITY

**SGS**

SGS Grains Analytical Testing Laboratory (GATL) is a full service wheat, flour and dough rheology testing facility, with multiple instruments allowing the quantification of dough properties and bake characteristics of cereal grains. The lab is a unique result of a joint venture between a privately held company and a Canadian farmer organization (Grain Farmers of Ontario).

## OUR SERVICES

### QUALITY TESTING

We have the capability to conduct the following wheat and flour tests in accordance with internationally accepted methods.

- Moisture
- Protein (N X 5.7)
- Ash
- Falling Number
- Wet Gluten and Gluten Index
- Kernel Hardness
- Peak Viscosity
- Starch Damage
- Solvent Retention Capacity

### DOUGH QUALITY TESTING

Dough properties, which can vary between samples, are critical to its behaviour during processing and the resulting end product quality. We perform the following tests that offer prediction of dough behaviour and gluten quality.

- Farinograph
- Extensograph
- Alveograph

### BAKE TESTING

We bake under controlled conditions for optimal consistency. Bread can be evaluated from measurements taken such as loaf volume, height, and weight. Cookie thickness and spread are also key parameters taken into consideration when evaluating soft wheat flour.

### MILLING

Wheat and durum milling can be performed on the Buhler MLU-202 Lab Mill or the C.W. Brabender Quadromat Jr. Mill. These allow for the accommodation of varying sample quantities. Milling is performed under controlled grinding, temperature and humidity settings for optimal consistency.

### WHY SGS?

With over 140 years of experience serving the global agricultural industry, we offer a wide range of analytical services through an unrivalled network of laboratories.

In addition to stand-alone services, we offer bundled services that save clients time, money and resources.

Other tests we perform

- Pesticide Residue
- Microbiological Food Testing
- Genetic Varietal Identification
- Nutritional Analysis

EXCELLENCE





### TECHNOLOGY & INNOVATION

Innovation is at the heart of our business. New technologies deliver knowledge, insight, transparency and efficiency for our customers.

#### SGS Digicomply

Transform the big data of compliance information into user-friendly actionable knowledge.

### SGS BENEFITS

-  Customized service
-  Global Network
-  Rapid Turnaround time
-  Technical competence

### CONTACT US

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