

OVERVIEW OF SOLID BIOMASS CAPABILITIES ACROSS NORTH AMERICA

ASSURING THE SAFETY, QUALITY AND SUSTAINABILITY OF RENEWABLE ENERGY

At SGS, we have extensive experience and expertise in testing, inspection, certification and verification for solid biomass. We provide solutions along the entire value chain, helping you to ensure transparency, demonstrate compliance, improve quality and maximize profits.

Pioneering in the development of systems that recognize biomass sustainability, our verifications act as independent documentation that products are sustainably produced and supplied. They can be customized to suit end-user requirements and meet the demands of local legislation.

Across Canada and the United States, we deliver comprehensive solid biomass services at source and throughout the supply chain, including all export and import points. And because our standardized reporting considers the defined industry regulations, we make commodity trading and deliveries less contentious and open to dispute.

Testing and rapid reporting services, based in Delta, British Columbia, offer Canada's biomass industry quick and easy access to international markets. From our Standards Council of Canada (SCC) and ISO/IEC accredited laboratory we provide an extensive suite of analytical services for solid biofuel samples. We have the latest technologies, a state-of-the-art laboratory, and experienced staff. Operating seven days a week, to match the port's loading schedules, we conduct testing, supported by rapid reporting using a CCLAS laboratory management system.

Our laboratory in Delta, BC is also the only approved laboratory in Canada to perform ENplus® certification testing services.



In the United States, we deliver a range of biomass services to support strong domestic demand and busy international markets.

Operating a network of 17 facilities across the United States, our local experts, ensure the quality and quantity of biomass and biomass products for clients the world over. Last year we inspected various forms of solid biomass including – wood chips, wood pellets and fuel wood (logs, billets, twigs and faggots, etc.) – across 15 states.

From sampling to surveys, we offer an extensive range of services to operators.

TESTING CAPABILITIES

Across North America, we offer a range of testing services using ISO/EN and ASTM standardized methods, including:

- Moisture
- Proximate analysis
- Ultimate analysis
- Calorific values
- Halogens (chlorine, fluorine)
- Mechanical durability
- Bulk density
- Length & diameter
- Particle size distribution
- Ash melting behaviour (AFT's)

MAKING THE DIFFERENCE

SGS

INSPECTION SERVICES

Across North America, we offer a range of inspection services.

- Draft survey
- Cleanliness inspection
- Weighing supervision
- Cargo superintendence
- Stockpile survey
- Sampling in accordance with ISO 18135, TAPPI and SCAN methodologies

CERTIFICATES & REPORTING

Meeting the demands of clients and regulators we deliver certificates and reports in a number of formats – to ensure you receive the most appropriate option:

- Certificates and e-certificates – on SGS security paper, via SGSonSITE, or via email (compliant with eUCP rules)
- Reports of analysis
- SLIM data export

TECHNOLOGY & INNOVATION

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

Standardized Inspection Reporting (SIR)

Standardized data entry to our inspection reporting platform ensures delivery of quality reports that are the same the world over. It reduces duplication of effort, streamlines communication and reduces turnaround time for reporting – in one secure cloudbased system.

SGS e-documents

Receive your electronic reports and certificates by email. We deliver your transactional documents quickly and securely. In addition, you can authenticate certificates on our secure website



UNRIVALLED EXPERTISE

Our experts have been involved in every aspect of biofuel production since the 1990s. We monitor all aspects of the biomass and biofuel supply chain, from forest and farm to fuel. Both in the field and in the laboratory, we have combined expertise to deliver quality, efficiency and transparency throughout the custody chain.

SGS BENEFITS

- Global network
- State-of-the-art laboratories
- Rapid turnaround time
- Technical competence
- Customized service

CONTACT US



CA.MINERALS@SGS.COM



WWW.SGS.COM/MINING

WHEN YOU NEED TO BE SURE

SGS