

# Solid biofuel

Trusted. Independent. **Committed.**

**SGS**



## Sustainable advantage for power generation

SGS can help you establish a sustainable advantage by offering trustworthy support for solid biofuel characterization. Allow our global network of expertise in solid biofuel sampling, inspection and analysis assist you with your co-firing power generating needs. Leverage our technical expertise to help you combat long-term climate change.

## Solid biofuel capabilities

- Wood
- Wood chips
- Wood pellets
- Torrified wood
- Rice hulls
- Palm seed briquettes
- Olive pellets
- Olive pulp
- Grass
- Corn stovers
- Grain mash
- Bio-coal
- Sugar cane bagasse
- Animal waste
- Vegetable waste

## Sampling services

- Sample collection
- Lot sub-sampling
- Sample preparation

## Laboratory testing

- Proximate and ultimate analysis
- Moisture determination
- Calorific value
- Sulphur analysis
- Halogens: Cl, F, Br, and I

- CO<sub>2</sub> Emissions Factor
- Fusibility of biofuel ash
- Particle size distribution
- Major and minor elements by XRF
- Trace elements by ICP-OES or ICP-MS
- Pellet durability and abrasion
- Biogene
- Bulk density
- Cryogenic milling
- Polycyclic Aromatic Carbohydrates - PAC
- Pentachlorophenol - PCP
- Benzo-a-pyrene

## Loading and monitoring services

- Hold cleanliness inspections
- Visual inspections
- Draft surveys
- Supervision of weighing
- Loading supervision

## Reporting options

- E-Certificates and E-Reporting

## Standard testing methods and assessment

- ISO
- ASTM
- Proficiency test programs

Many SGS laboratories operate with ISO/IEC 17025 Scopes of Accreditation.

SGS qualified professionals operate in laboratories with state-of-the-art instrumentation and quality control procedures. Our solid biofuel laboratory analysis are performed in accordance with recognized global standards such as:

- International Standards Organization (ISO)
- American Society for Testing and Materials (ASTM)

## Contact us

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**sgs.com**

# SGS

**When you need to be sure**