



**SPECTRO
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Silicon Analysis

Siloxanes in bio-fuels can significantly affect both the performance and cost of operation of gas engines, gas turbines, micro turbines and flares. Evaluation of the siloxane mass is essential if operating issues affecting plant reliability and profitability are to be efficiently addressed.

The Spectro | Jet-Care Silicon Analysis sampling method, combined with quality analysis, provides valuable information and guidance in determining the presence and quantity of siloxanes in landfill and digester gas. It is able to deliver quick, non-specified, repeatable results with low detection limits therefore identifying the total level of silicon in the fuel gas.

BENEFITS

Understanding the level of fuel contaminants in an ever changing fuel stream is essential to the bio gas engine operator.

- Silicon testing provides an estimation of the total silicon in the combustion gas.
- It can assess the bulk silicon values in the incoming gas stream to establish if cleanup

- Used before and after filtration equipment it can confirm the effectiveness of that system.
- The results are repeatable and provide the building blocks for accurate maintenance decisions on bio-fuelled engines.
- Regular monitoring ensures that filtration equipment needs are optimized and the power plant is protected.

Quality Analysis Services

UKAS, the United Kingdom Accreditation Service and SAS, the Swiss Accreditation Service, ensure all our laboratories comply with the ISO/IEC 17025:2017 standard.

The use of the UKAS / SAS accreditation mark does not imply that all activities are accredited by UKAS / SAS. Accreditation covers the laboratory activities in accordance with the Schedules of Accreditation, which can be found on either on our website or the UKAS / SAS websites.



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