



# Analysis of SRF and RDF

**SRF and RDF are fast becoming energy commodities and as the UK's leading testing provider, SOCOTEC understands how your market is evolving.**

Customers understandably now expect consistent quality with their solid recovered fuels (SRF) or refuse derived fuel (RDF).

As well as offering guidance on ensuring the most compliant and accurate testing, SOCOTEC also provides a comprehensive range of UKAS accredited\* tests on solid recovered fuels including:

- Moisture content
- Ash content
- Calorific value
- Carbon, Hydrogen, Nitrogen Biogenic content
- Contaminants (including trace metals)
- Particle size distribution
- Bulk density
- Waste composition analysis
- Loss on ignition - waste fines

## TURNAROUND TIME

We understand the importance of getting our results to you in the quickest possible time and therefore we can work with you to ensure the demands of your project are met in a timely manner.

In addition, you can download your reports using our digital portal, MiPortal, or in a format that integrates with your own environmental monitoring software.

## WASTE COMPOSITION ANALYSIS

**Waste Composition Analysis (WCA) determines the composition of either waste derived fuels or waste input and output streams at waste processing or generation facilities. Samples are gathered and physically sorted by hand in order to process and weigh predetermined categories, set by the client.**

The analysis data can then be used in comparison with agreed parameters set out in a fuel or input waste specification. The data can assist with engineering or operational decisions at waste processing facilities or determine contamination in segregated recyclable streams.

## ON-SITE SAMPLING

**As an independent technical specialist, SOCOTEC can ensure compliance through a comprehensive range of services – including on-site sampling.**

Our trained, field sampling technicians can take representative samples on site, which are then returned to SOCOTEC's UKAS accredited\* laboratory for independent, quality assured analysis.

Independent sampling ensures that samples are taken in a standard compliance manner and representative of the sampled material so that the analysis data is meaningful and robust.

# Quality Matters

## WHY TEST SRF/RDF?

**Refuse is no longer viewed as a waste; it is fast becoming a product in its own right and people now understand the value of using waste as an energy source. With many landfills closing and UK Energy from Waste (EfW) infrastructure growing, organisations are looking for viable alternatives for their waste products.**

Throughout all stages of the fuel supply chain, from producers of waste derived fuel to exporters, transporters and consumers, we understand the importance of consistent fuel quality. Regular RDF/SRF analysis can be used to demonstrate compliance with or support:

- Contractual fuel specifications
- Environmental regulations or permits
- Operational efficiency: fuel needs to meet required specification to avoid damage to equipment
- Renewable subsidiary claims

Quality of service is just as important as the integrity of the data we provide; our client services and account management teams are on hand to ensure that clients get the information they need, on time and in the required format.

Where there are specific analysis parameters that are of critical importance, SOCOTEC operates an early warning system, alerting clients to any results that may determine that fuel is outside of the required specification - meaning action can be taken as quickly as possible.

## EXPERT ADVICE

**Having worked closely with Ofgem, SOCOTEC is fully aware of the need for compliance with sampling and analytical standards. We can:**

- Assist you in completing your initial Fuel Measurement and Sampling (FMS) questionnaire
- Complete site audits of your existing sampling procedures
- Provide you with bespoke sampling plans
- Provide advice on all matters relating to waste derived fuel quality
- Provide supporting analysis to help determine the correct amount of Renewable Obligation Certificates (ROCs) for our clients

Further to this, SOCOTEC can provide technical audits of mechanical sampling systems, undertake bias tests and even provide upfront bespoke consultancy regarding the application and design of your sampling system.

## SETTING THE STANDARD

**SOCOTEC has a long history of method development and this tradition continues with analysis of SRF and RDF.**

As members of the RDF Industry Group, SOCOTEC has also been involved in the creation and launch of the RDF Code of Practice, released in October 2017.

Our technical expert represents the British Standards Institute on the ISO/TC 300 working group, and the company has represented the UK internationally during the cooperative development of EN and ISO sampling and analysis standards. This involvement means that we are at the forefront of ensuring that our clients remain compliant with all relevant standards, even as they are updated. With this unrivalled expertise, we can offer you guidance throughout the process.

### MORE ABOUT OUR SERVICES

For more information or advice on analysis of SRF or RDF, please call 0845 603 2112 or email [salesuk@socotec.com](mailto:salesuk@socotec.com)

