



Renewable Heat Incentive

Emissions Certificate

In order to accredit any biomass boiler or stove applications received for the domestic or non-domestic Renewable Heat Incentive (RHI) schemes, Ofgem must be satisfied that a valid emissions certificate exists for the specific model in the application (or alternatively for the non-domestic RHI, an environmental permit for the site). This template incorporates all information required to demonstrate that the tested plant meets the air quality requirements of the RHI. It must be fully completed and issued by a testing laboratory in order to be a valid certificate.

1. TEST HOUSE	
<p>a) Name and address of the testing laboratory that has carried out the required tests and issued this certificate *</p> <p><i>*if different, include details of both</i></p>	<p>Exova Catalyst Unit 22 Century Park Networkcentre Dearne Lane Manvers Rotherham S63 5DE</p>
<p>b) Name and signature of the person authorised by the testing laboratory to issue the certificate</p>	<p>Name: Toby Campbell, Regional Manager – Stockport, Exova Catalyst</p>  <p>Unit C6, Emery Court The Embankment Business Park Heaton Mersey, Stockport SK4 3GL T: 0161 432 3286 E: info@cat-env.com Company Registration No: SC070429</p> <p>Signature: </p>
<p>c) Date of issue of this certificate, together with certificate reference number for this certificate</p> <p><i>*Please see Note A</i></p>	<p>Date: 19/08/2015 Ref: CRO-0526</p> <p>Certificate reference number: <i>GlenFarrow RHI Emissions Certification - Straw</i></p>

	<i>Optional:</i> reference number of original test report on which this certificate is based: CRO-0473, CRO-0503, CRO-0526
d) If the testing laboratory that has carried out the required tests is accredited to BS EN ISO/IEC 17025:2005, date of accreditation and accreditation number <i>(if testing conducted on or after 24 September 2013, the testing laboratory must be BS EN ISO/IEC 17025:2005 accredited at the time of testing)</i>	Date: 30/06/2008
	Accreditation number: 4279

2. PLANT - Please see Note B	
a) Name of the plant tested	GlenFarrow GF210
b) Model of the plant tested* <i>*Please ensure this is the same as in the manufacturer's documentation and boiler nameplate</i>	GF210
c) Manufacturer of the plant tested	GlenFarrow UK Ltd
d) Installation capacity* of the tested plant in kilowatts (kW) <i>*The total installed peak heat output capacity</i>	210kW
e) Is the plant a <u>manually stoked, natural draught</u> plant? (without a fan providing forced or induced draught)	No
f) (i) Date the plant was tested* (ii) Please confirm that NOx and PM have been tested on the same occasion <i>*This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required. Please provide the date of test performed at ≥85% of the installation capacity. If more than one model has been tested or testing has been conducted on different dates for different fuels, please list each date with details.</i>	13/05/2015, 30/06/2015, 28/07/2015 Yes, NOx and PM tested on the same occasion Yes, same fuel used on each test.
g) Please list all the plants in the type-testing range* of the tested plants to which the certificate applies, if any. ¹ Please include the installation capacity of each model. <i>*This must follow the ratio rules: If the smallest plant in the range is 500kW or less, the largest plant in the range can't be more than double the smallest. If the smallest plant in the range is over 500kW, the largest plant in the range can't be more than 500kW greater than the smallest.</i>	GF 175 - 175 kW GF 195 - 195 kW GF 295 - 295 kW

¹ The type-testing approach enables testing laboratories to provide assurance that all boilers in a given range meet the air quality requirements, without needing to specifically test each boiler.

c) Please confirm the plant was tested at $\geq 85\%$ of the installation capacity of the plant.	Yes
d) Please confirm the test shows that emissions from the plant were no greater than 30 g/GJ PM and 150 g/GJ NO _x .	Yes
e) Measured* emissions of PM in g/GJ net heat input <i>*This average value should be from the test confirmed in 4c Results from partial load tests are not required. This value must be in the specified units.</i>	13/05/2015 – 22.06 g/GJ 30/06/2015 – 26.25 g/GJ 28/07/2015 – 34.53 g/GJ <u>AVERAGE – 27.95 g/GJ</u>
f) Measured* emissions of NO _x in g/GJ net heat input <i>*This average value should be from the test confirmed confirmed in 4c. Results from partial load tests are not required. This value must be in the specified units.</i>	13/06/2015 – 115.82 g/GJ 30/06/2015 – 104.24 g/GJ 28/07/2015 – 104.13 g/GJ <u>AVERAGE Nox – 108.07 g/GJ</u>

Note A: If details from a previously issued certificate or an original test report are being transferred to this RHI emission certificate template, please note that this document must be **issued by the testing laboratory** as a separate certificate. The issue date and certificate reference number should be in relation to *this* certificate produced using the RHI template, not the issue date and reference number of the original certificate or test report.

Note B: If you are including multiple tested plants on one certificate, please ensure that all sections are completed for each tested plant, and are laid out such that it is clear which details relate to which tested plant. If a type-testing range is included as well, please show clearly which type-testing range relates to which tested plant(s), following the type-testing range ratio rules outlined in 2g.