





This certificate provides evidence that the tested boiler meets the air quality requirements of the non-domestic Renewable Heat Incentive (RHI) – Reg 5A(3) and Schedule A1. It must be issued by a testing laboratory. Applicants applying for the RHI with biomass boilers must submit a certificate with their application, or alternatively, an environmental permit.

1. TEST HOUSE	
a) Name and address of the testing laboratory	Catalyst Environmental Ltd, Unit C6, Emery Court, The Embankment Business Park, Heaton Mersey, Stockport, SK4 3GL
b) Name and signature of the person authorised by the testing laboratory to issue the certificate	<p>Name: James Eldridge, Deputy Regional Manager – Stockport</p>  <p>Unit C6, Emery Court The Embankment Business Park Heaton Mersey, Stockport SK4 3GL t: 0161 432 3286 / f: 0161 432 3689 Company Reg No: 6391680</p> <p>Signature: </p>
c) date of issue of this certificate together with certificate reference number <i>*Please see Note A</i>	Date: 12/06/2014
	Ref: CAT-1813/1843 V5
d) If the testing laboratory is accredited to BS EN ISO/IEC 17025:2005, date of accreditation and accreditation number (note: if testing conducted on or after 24 September 2013, the testing laboratory must be BS EN ISO/IEC 17025:2005 accredited)	Date: 30/06/2008
	Accreditation number: UKAS 4279

2. PLANT

Please see Note B

a) name of the plant tested	Manco Energy Ltd – Biomass Boiler
b) model of the plant tested	Linka-H 1000
c) manufacturer of the plant tested	Linka
d) installation capacity* of the tested plant in kilowatts (kW) *defined in the RHI Regulations as the total installed peak heat output capacity of the plant	995kW
e) is the plant a manually stoked, natural draught plant? (that is, 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 *This is in reference to the emissions testing for PM and NOx, not any wider range of tests. A specific date is required.	Day 1: 27/03/2014 Day 2: 28/03/2014 Day3: 29/04/2014 Yes
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. *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.	Linka-H Range including H600, H800 and H995

3. FUELS

a) types of fuels used when testing	Day1: Wood Chips Day 2: Miscanthus, Straw / Day 3: Wood Pellets
b) based on the testing, list the range of fuels that can be used in compliance with the emission limits of 30 grams per gigajoule (g/GJ) net heat input for particulate matter (PM), and 150 g/GJ net heat input for oxides of nitrogen (NOx) (based if relevant on classifications from EN14961 or EN303-5)	Wood Chips Miscanthus, Straw Wood Pellets
c) moisture content of the fuel used during testing	Wood Chips: 35% Miscanthus, Straw: 18% Wood Pellets: 10%
d) maximum moisture content* of the fuel that can be used with the certified plant(s) as so to ensure that the RHI emission limits are not exceeded. *This value may be obtained from ranges specified in	Wood Chips: Below 40% Miscanthus, Straw: Below 20% Wood Pellets: Below 10%

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.

