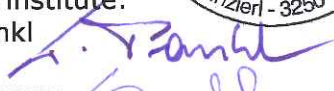


Renewable Heat Incentive

Non-domestic Renewable Heat Incentive Emissions Certificate

This certificate provides evidence that the tested boiler meets the air quality requirements of the non-domestic Renewable Heat Incentive (RHI). 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.

BLT 0761/13, Lindner & Sommerauer, SL 150 T, chipped wood

1. TEST HOUSE	
a) name and address of testing laboratory	 BLT Wieselburg HBLFA Francisco Josephinum AT 3250 Wieselburg, Rottenhauser Straße 1 blt@josephinum.at , http://blt.josephinum.at
b) name and signature of the person authorised by the testing laboratory to issue the certificate	For the accredited test institute: Dipl.-Ing. Heinrich Prankl  For the factual correctness: Dipl.-HLFL-Ing. Leopold Lasselsberger 
c) date of issue of the certificate together with certificate reference number	Date of issue: 04/12/2013 Reference number: 0761/13 BLT Wieselburg test report, approval no: 020/99
d) if testing laboratory is accredited to ISO 17025, date of accreditation and accreditation number (note: if testing conducted after 24 Sep. 2013, the testing laboratory must be ISO 17025 accredited)	A 0112 Date of accreditation: October 19, 2009 Initial date of accreditation: 01/09/1998 Federal Ministry of Economy, Family and Youth Division I/12 – Accreditation Body



2. PLANT	
a) name of the plant tested	SL 150 T
b) model of the plant tested	Chipped wood heating boiler SL 150 T
c) manufacturer of the plant tested	Lindner & Sommerauer, SL-Technik GmbH Bergwerkstraße 4 AT 5120 St. Pantaleon
d) installation capacity of the plant in kilowatts (kW)	150,0
e) is the plant a <u>manually stoked, natural draught</u> plant? (that is, without a fan providing forced or induced draught)	no
f) the date the plant was tested	08/02/1999
g) list of all the plants in the type-testing range of plants to which the certificate applies, if any ¹	Chipped wood heating boiler SL 150 T

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.

3. FUELS	
a) types of fuels used when testing	Chipped wood B1 according to EN 303-5
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 EN 14961 or EN 303-5)	Chipped wood B1 according to EN 303-5
c) moisture content of the fuel used during testing	26,7 – 28,9 %
d) maximum moisture content of the fuel which can be used so as to ensure that the emission limits are not exceeded	≤ 35 % according to EN 303-5

4. TESTS	
a) if the plant is 500 kW or lower, and BS EN 303-5:1999 or EN 303-5:2012² applies to it , please confirm: - tests were conducted to whichever standard was current at the time of testing. (please circle the applicable standard)	EN 303-5:1999
b) if the plant is 500 kW or lower, and BS EN 303-5:1999 or BS EN 303-5:2012 do not apply to it , please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of measurements made throughout the PM tests.	not applicable not applicable
c) if the plant is 500 kW or higher , please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of PM measurements made throughout the PM tests.	not applicable not applicable
d) please confirm the tests were conducted to: - EN 14792:2005 in respect of NOx, and; - EN 13284-1:2002 or ISO 9096:2003 in respect of PM ³	Yes Yes
e) please confirm the plant tested at ≥ 85 % of its rated output	yes
f) please confirm the tests show that emissions were no greater than 30 g/GJ PM and 150 g/GJ NOx	yes
g) measured emissions of PM in g/GJ net heat input	13 g/GJ (nominal heat output) nm ^{*)} (minimum heat output)
h) measured emissions of NOx in g/GJ net heat input	95 g/GJ (nominal heat output) nm ^{*)} (minimum heat output)

*) nm ... not measured

² BS EN303-5:1999 and 2012 explain what should be measured and when.

³ These standards explain how to make the PM and NOx measurements.