



## Renewable Heat Incentive Emissions Certificate

for Particulate Matter and Oxides Of Nitrogen

Issued by Kiwa Italia Spa

Certificato

<b>Certificate number</b>	RHI 100501098.1
<b>Issue date</b>	26 February 2014
<b>Test report numbers</b>	100501098
<b>Pellet stove models</b>	Suite Hydro 15 Suite Hydro 22

**Manufacturer name and address**

MCZ GROUP SpA  
Via La Croce, 8  
33074 Fontanafredda (PN)  
Italy

Kiwa Italia Spa declares that the solid fuel pellet stove(s) detailed above meets(s) the emission limits of 30g/GJ for particulate matter and 150g/GJ for NO<sub>x</sub> as stated by Defra, and as such the emissions are within the acceptable limit for the appliance to be used in installations wishing to claim the Renewable Heat Incentive.

See annex

**Kiwa Italia S.p.a.**

*Sede Legale:*

Via C. Goldoni, 1  
20129 Milano (MI) - Italy

*Sede Amministrativa:*

Via Treviso, 32/34  
31020 San Vendemiano (TV) - Italy

San Vendemiano, 26 February 2014

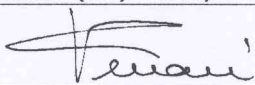
Ing. E. Ferrari  
Director Product Certification

# 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) – 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 testing laboratory	Kiwa Italia S.p.a. Via Treviso, 32/34 31020 San Vendemiano (TV) - Italy
b) name and signature of the person authorised by the testing laboratory to issue the certificate	Ing. E. Ferrari 
c) date of issue of this certificate together with certificate reference number	Date: 26 February 2014
	Ref: RHI 100501098.1
d) if testing laboratory is accredited to BS EN ISO/IEC 17025:2005, date of accreditation and accreditation number <i>(note: if testing conducted after 24 September 2013, the testing laboratory must be BS EN ISO/IEC 17025:2005 accredited)</i>	Test made BEFORE 24 September 2013

### 2. PLANT

a) name of the plant tested	Suite Hydro - Family
b) model of the plant tested	Suite Hydro 15 Suite Hydro 22
c) manufacturer of the plant tested	MCZ GROUP SpA Via La Croce, 8 - 33074 Fontanafredda (PN) - Italy
d) installation capacity of the tested plant in kilowatts (kW)	15,4 kW (Suite Hydro 15) 22,3 kW (Suite Hydro 22)
e) is the plant a manually stoked, natural draught plant? (that is, without a fan providing forced or induced draught)	No
f) (i) the date the plant was tested (ii) please confirm that NOx and PM have been tested on the same occasion	22.06.2010 (Suite Hydro 15) 24.06.2010 (Suite Hydro 22) Yes
g) list of all the plants in the type-testing range of plants to which the certificate applies, if any Please include the installation capacity of each model. (ii) please confirm that NOx and PM have been tested on the same occasion	15,4kW: Suite Hydro 15 - Club Hydro 15 - Musa Hydro 15 22,3 kW: Suite Hydro 22 - Club Hydro 22 - Musa Hydro 22 - Duo - Toba Hydro

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<b>3. FUELS</b>	
a) types of fuels used when testing	Wood pellet
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) <i>(based if relevant on classifications from EN14961 or EN303-5)</i>	Wood pellet <i>based on compressed wood on respect limit of EN 14785:2006</i>
c) moisture content of the fuel used during testing	6,6%
d) maximum moisture content of the fuel which can be used with the certified plant(s) so as to ensure that the RHI emission limits are not exceeded.	12,0%

<b>4. TESTS</b>	
a) if the testing was carried out in accordance with the provisions relevant to emissions of PM and NOx in either BS EN 303-5:1999 or BS EN 303-5:2012 , please confirm: - the test was conducted to whichever standard was current at the time of testing.	BS EN 303-5:1999: not applicable BS EN 303-5:2012: not applicable
b) if the testing was carried out in accordance with the following requirements, please confirm: (i) testing was carried out in accordance with: - EN 14792:2005 in respect of NOx emissions, and; - EN 13284-1:2002 or ISO 9096:2003 in respect of PM emissions3; and  (ii) emissions of PM represent the average of at least three measurements of emissions of PM, each of at least 30 minutes duration; and  (iii) the value for NOx emissions is derived from the average of measurements made throughout the PM	Yes Yes
c) please confirm the plant was tested at ≥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 Nox	Yes
e) measured emissions of PM in g/GJ net heat input	1 (Suite Hydro 15) 1,2 (Suite Hydro 22)
f) measured emissions of NOx in g/GJ net heat input	85 (Suite Hydro 15) 91 (Suite Hydro 15)