

## 1 Prüfgegenstand

Initial type testing: **Pellet-roomheater Cute Air/Thema Air**

## 2 Auftraggeber

MCZ Group S.p.A.  
Via la Croce, 8  
I – 33074 Vigonovo di Fontanafredda (PN)

## 3 Size and placing of the order

The size of the order includes the testing of the pellet-roomheater Cute Air/Thema Air according to EN 14785 „Residential space heating appliances fired by wood pellets – requirements and test methods“ having regard to the agreements according to clause 15a B-VG „Inverkehrbringen von Kleinfeuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ as well as to the „Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1. BImSchV) Stufe 2“.

The testing of the pellet-roomheater Cute Air/Thema Air was carried out in the testing rooms of the „Versuchs- und Forschungsanstalt der Hafner Österreichs“ (Research and Testing Centre of the Austrian stove-fitters). At the testing two tests at nominal heat output, a test at lower heat output as well as a test of the fire safety were carried out with the test-fuel wood pellets.

The placing of the order occurred in January 2013.

## 4 Ergebnisse

	No.	Heat output level	Test results			Limit values		
						Art. 15a	EN 14875	BImSchV Stufe 2
			mg/MJ	% (13% O <sub>2</sub> )	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )	mg/MJ	% (13% O <sub>2</sub> )	mg/m <sup>3</sup> <sub>N</sub> (13% O <sub>2</sub> )
CO	1	Nominal	141	0,02	230	500	500	250
	2	Nominal	142	0,02	232			
	3	Nominal	454	-	739			
NO <sub>2</sub>	1	Nominal	66	-	107	150/100 <sup>1</sup>	-	-
	2	Nominal	65	-	106			
	3	Nominal	62	-	101			
OGC	1	Nominal	4	-	5	30	-	-
	2	Nominal	4	-	5			
	3	Nominal	23	-	31			
Staub	1	Nominal	<8	-	<15	50/25 <sup>1</sup>	-	30
	2	Nominal	<8	-	<15			
	3	Nominal	-	-	-			
η (%)	1	Nominal	90,5			78/80 <sup>1</sup>	75	85
	2	Nominal	90,5					
	3	Nominal	90,0					

<sup>1</sup> Limit values valid from 2015

The requirements of EN 14785 are fulfilled as per clause 9.2 of the test report VFH-13-007-P.

The limit values for emissions and efficiency of the agreement according to clause 15a B-VG „Inverkehrbringen von Kleinfeuerungen und die Überprüfung von Feuerungsanlagen und Blockheizkraftwerken“ and the „Erste Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (1.BImSchV) - Stufe 2“ for automatically loaded small firing plants are fulfilled. The specified nominal heat output (8.0 kW) is achieved.



DI Dr. Thomas Schiffert  
Authorized signatory



Vienna, 20.09.2013

