



INSTITUTE OF POWER ENGINEERING

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TESTING LABORATORY OF BOILERS AND HEATING DEVICES

Accredited laboratory no. AB 087

93-231 Łódź, ul. Dostawcza 1, tel. (042) 64 00 821, fax (042) 64 00 828



CERTIFICATE

The *LIGNUM 2* water boiler

with rated output of 19 kW
fired with wood granules (pellets)

manufactured by:

Sławomir Śliwa

a representative of:

PPHU Simar Sławomir Śliwa
63-300 Pleszew, Marszew 36

The *LIGNUM 2* water boiler meets the **BAFA** requirements regarding thermal efficiency and limit pollution emissions for solid fuel water boilers with rated output of up to 1000 kW – specified in the Regulation of the Federal Government of Germany dated

Parameter	Unit	Test results				As per BAFA	
		Reference values: 10% O ₂ , 273 K, 1013 hPa		Reference values: 13% O ₂ , 273 K, 1013 hPa		Reference values: 13% O ₂ , 273 K, 1013 hPa	
		Rated output	Minimum output	Rated output	Minimum output	Rated output	Minimum output
Thermal efficiency	[%]	92,0	90,2	92,0	90,2	≥ 90,0	
CO emission	[mg/m ³]	80	165	58,2	120,0	≤200	≤250
Dust emission	[mg/m ³]	22	--	16	--	≤ 20	

The certificate has been issued based on the results of laboratory tests specified in Report no. 44/16-LG.

Laboratory Director

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(signature)

Department Head

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(signature)

Łódź, December 15, 2016

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