

# **DECLARATION**

By this, **FERROLI ROMANIA S.R.L.** located in Timisoara Blv., no. 104E, district 6, Bucharest, operating as the Romanian subsidiary of the italian manufacturer **FERROLI S.p.A**, with the headquarter in Via Ritonda 78/A, 37047 San Bonifacio (VR), we declare the following informations from TEST REPORT **Nº**342/343/344/18.10.2019 performed by ITEM -CONSULT Ltd. with the requirements of COMMISSION REGULATION (EU) 2015/1189 implementing directive 2009/125/EC of the EU parliment and of the council:

## **I.** NAME AND SIGNATURE OF THE TESTED SAMPLE:

Production series (range) BIOPELLET PRO: 18 kW, 25 Kw and 30 kW.

## II. NAME AND DESCRIPTION OF THE TESTED SAMPLE:

Boiler models BIOPELLET PRO: 18 kW, 25 Kw and 30 kW, made of steel sheet metal by welding.

## **III. LEGAL DOCUMENT:**

COMMISSION REGULATION (EU) 2015/1189 of April 2015.

## IV. BOILERS MODELS

BIOPELLET PRO: 18 kW, 25 Kw and 30 kW are randomly selected units of regular production of 1 each.

## V. PURPOSE AND OBJECT OF THE TASK:

Conformity assessment of the BIOPELLET PRO: 18 kW, 25 Kw and 30 kW with the requirements of COMMISSION REGULATION (EU) 2015/1189 of 28 April 2015.

## **VI. TEST CONDITIONS:**

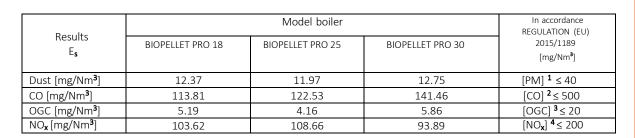
Working condition of the combustion device - according to the requirements for tests at nominal output according to EN 303-5:2012.

Processing of results – calculate according to normal physical conditions and at 10 % 02.

Used results from the Test Report №342/343/344/18.10.2019 performed in the laboratory of ITEM - CONSULT Ltd.

## **VII.** RESULTS FROM AND OBSERVATIONS:

Seasonal space heating emissions: Table 1 (with Compressed wood in the form of pellets or briguettes)



Dust content of exhaust gases [PM]  $1 \le 60$  mg/Nm3 for manually stoked boilers in accordance with point 1 (c), of Annex II of the REGULATION (EU) 2015/1189.

CO of exhaust gases [CO]  $2 \le 700$  mg/Nm3 for manually stoked boilers in accordance with point 1 (e), of Annex II of the REGULATION (EU) 2015/1189.

OGC of exhaust gases [OGC]  $3 \le 30$  mg/Nm3 for manually stoked boilers in accordance with point 1 (d), of Annex II of the REGULATION (EU) 2015/1189.

NOx of exhaust gases [NOx]  $4 \le 200$  mg/Nm3 for biomass boilers and [NOx]  $4 \le 350$  mg/Nm3 for fossil fuel boilers in accordance with point 1 (f), of Annex II of the REGULATION (EU) 2015/1189.

## <u>VIII.</u> Seasonal space heating energy efficiency:

Model Boiler	Power at rated output (kw)	η <b>S</b> % at the rated output	Power at the (30%150%) of rated heat output (kw)	η <b>S</b> % at the (30%/50%) of the rated output	In accordance REGULATION (EU) 2015/1189. [%]
BIOPELLET PRO 18	18.82	88.11%	5.46	89.23%	[ ŋ <b>S</b> ] <sup>2</sup> ≥ 77
BIOPELLET PRO 24	25.14	88.06%	7.45	85.88%	[ η <b>S</b> ] <sup>2</sup> ≥ 77
BIOPELLET PRO 30	31.4	86.99%	9.32	90.11%	[ηS] <sup>2</sup> ≥77

Where:  $-\eta S\%$  - the seasonal space heating energy efficiency:

[  $\eta$ S ] 2  $\geq$  77 % for boilers with a rated heat output of more than 20 kW in accordance with point 1 (b), of Annex II of the REGULATION (EU) 2015/1189.

## IX. CONCLUSION:

Boiler models BIOPELLET PRO: 18 kW, 25 Kw and 30 kW are satisfying and fulfilling the requirements of REGULATION (EU) 2015/1189.

FERROLI ROMANIA

