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 №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 % O2.
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 briquettes)

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Nr. înreg. Reg. Com.: J40/11786/1998 ¬ Cod unic înregistrare: 11252950 ¬ Atribut fiscal: R ¬ Banca: BCR - Sucursala sector 6 ¬ Cod IBAN: RO77RNCB0077050228910001

Results E_s	Model boiler			In accordance REGULATION (EU) 2015/1189 [mg/Nm^3]
	BIOPELLET PRO 18	BIOPELLET PRO 25	BIOPELLET PRO 30	
Dust [mg/Nm^3]	12.37	11.97	12.75	[PM] [1] ≤ 40
CO [mg/Nm^3]	113.81	122.53	141.46	[CO] [2] ≤ 500
OGC [mg/Nm^3]	5.19	4.16	5.86	[OGC] [3] ≤ 20
NO_x [mg/Nm^3]	103.62	108.66	93.89	[NO_x] [4] ≤ 200

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

VIII. Seasonal space heating energy efficiency:

Model Boiler	Power at rated output (kw)	ηS % at the rated output	Power at the (30%150%) of rated heat output (kw)	ηS % 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%	[ηS] [2] ≥ 77
BIOPELLET PRO 24	25.14	88.06%	7.45	85.88%	[ηS] [2] ≥ 77
BIOPELLET PRO 30	31.4	86.99%	9.32	90.11%	[ηS] [2] ≥ 77

Where: - ηS % - the seasonal space heating energy efficiency:

[ηS] 2 ≥ 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

Societatea Comercială FERROLI ROMANIA s.r.l. Bucureşti

General Manager
MIHAI MATACHE