

# LABORATORY GAS.BE - K.V.B.G. - A.R.G.B

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European Association of  
Independent Test Laboratories



N° 013-Test

## TEST REPORT (GTF21302\_V14)

Applicant: MetalFire

PR NR.: na

CE NR.: na

PIN NR.: na

**Koninklijke Vereniging van Belgische Gasvaklieden  
GAS.BE - KVBG**

**Association Royale des Gaziers Belges  
GAS.BE - ARGB**

**Department : Laboratory Gas Appliances**  
Accredited by BELAC N°013-TEST  
Notified Body n° 2013

Jobnumber: 2020-0060  
File n°: H/2020/0004  
Testrig: K1

Date of the report: 22/02/2021  
Test technician: Geert De Sutter  
Head of the laboratory: O. Thibaut

### Manufacturer

Name: MetalFire

Address: Noorwegenstraat 28 - 9940 Evergem

Designation: Solid Fuel inset appliance

Trade mark: **Metalfire**  
Type: **Ultime D1050-50 2S/3S V20**

Heat input: 5,5 kg/h  
Heat output: 19,8 kW

Solid fuel: Beech

Serial number: Prototype

Sample n°: 3431

Date reception of the appliance: 31/08/2020

Type flue connection: B (A., B.. or C..)

Operation of the appliance: Intermittent (continuous or Intermittent)

### Scope of the tests

Procedure: Checking the conformity of the appliance to the EN standard, for the items mentioned in the report.

Reference texts:

EN 13229:2001

EN 13229/A2:2004

The test report shall not be reproduced except in full, without written approval of the laboratory. The results are related only to the items tested and mentioned in this test report.

|                       |                            |
|-----------------------|----------------------------|
| Solid-fuel Appliance: | Solid Fuel inset appliance |
| Manufacturer:         | MetalFire                  |
| Trade mark:           | Metalfire                  |
| Type:                 | Ultime D1050-50 2S/3S V20  |
| Serialnumber:         | Prototype                  |
| Operation:            | Intermittent               |
| Flue gases type:      | B                          |

|                  |                 |
|------------------|-----------------|
| Date:            | 22/02/2021      |
| Testrig:         | K1              |
| Requested by:    | MetalFire       |
| Filenumber:      | H/2020/0004     |
| Sample n°:       | 3431            |
| Test technician: | Geert De Sutter |
| Jobnumber:       | 2020-0060       |
| EN standard:     | EN 13229:2001   |

### Information sheet

Nous  
We  
We

**LABORATORY K.V.B.G. - A.R.G.B**

**Masuiplein 29, 1000 Brussel**

**BELGIUM**

Confirmons que l'appareil testé  
Confirm that the tested appliance  
Bevestigen dat het beproefde toestel

Fabricant  
Manufacturer  
Fabrikant

**MetalFire**

Marque commerc.  
Trade mark  
Handelsmerk

**Metalfire**

Type  
Model  
Type

**Ultime D1050-50 2S/3S V20**

Puissance de chauffage nominale  
Nominal output  
Nominaal verwarmingsvermogen

**19,8kW**

|  |  |
|--|--|
| Type de combustible<br>Fuel type<br>Type brandstof | Rendement à charge nominale<br>Nominal heating efficiency<br>Vollast rendement |
| Bûche bois<br>Wood logs<br>Brandhout               | <b>83,5%</b>   |

|  |                     |
|--|---------------------|
| Fonctionnement<br>Operation<br>Werkwijze | <b>Intermittent</b> |
|--|---------------------|

|   |               |                       |
|---|---------------|-----------------------|
| Émission de CO<br>CO emission<br>CO emissie | <b>0,072%</b> | (13% O <sub>2</sub> ) |
|---|---------------|-----------------------|

| DIN + Method (*)  |                             |                       |
|---|-----------------------------|-----------------------|
| Emission de poussières<br>Dust emission<br>Stof emissie | <b>30 mg/Nm<sup>3</sup></b> | (13% O <sub>2</sub> ) |

|   |                             |                       |
|---|-----------------------------|-----------------------|
| Émission de CmHn<br>CmHn emission<br>CmHn emissie | <b>41 mg/Nm<sup>3</sup></b> | (13% O <sub>2</sub> ) |
|---|-----------------------------|-----------------------|

|  |                              |                       |
|--|------------------------------|-----------------------|
| Émission de NOx<br>NOx emission<br>NOx emissie | <b>119 mg/Nm<sup>3</sup></b> | (13% O <sub>2</sub> ) |
|--|------------------------------|-----------------------|

(\*) This is not covered by the accreditation EN 17025.

Est conforme aux exigences de la norme européenne EN 13229.  
Meet the requirements of the european norm EN 13229.  
Voldoet aan de eisen van de Europese norm EN 13229.

Name : O. Thibaut

Function : Laboratory Manager

Date : 22/02/2021

|                       |                            |
|-----------------------|----------------------------|
| Solid-fuel Appliance: | Solid Fuel inset appliance |
| Manufacturer:         | MetalFire                  |
| Trade mark:           | Metalfire                  |
| Type:                 | Ultime D1050-50 2S/3S V20  |
| Serialnumber:         | Prototype                  |
| Operation:            | Intermittent               |
| Flue gases type:      | B                          |

|                  |                 |
|------------------|-----------------|
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| Requested by:    | MetalFire       |
| Filenumber:      | H/2020/0004     |
| Sample n°:       | 3431            |
| Test technician: | Geert De Sutter |
| Jobnumber:       | 2020-0060       |
| EN standard:     | EN 13229:2001   |

## REMARKS

The tested appliance is in accordance with the requirements of the standard for the verified requirements.

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### Decision rule on the conformity of the measurements made in this document :

The decision of conformity or non-conformity is taken on the basis of the comparison of the measured or calculated value with the limit value without taking into account the measurement uncertainty, in the absence of a tolerance given by the standard or regulation. If these impose a tolerance, this will be taken into account in the decision.

The following points are susceptible for improvement (these points are not covered by the accreditation EN 17025)

1. ....
2. ....
3. ....
4. ....
5. ....

Laboratory Manager : O. Thibaut



Date : 22/02/2021

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