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by AFNOR Certification.**

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## **CERTIFICATION REFERENCE STANDARD**



### **DOMESTIC APPLIANCES USING LIQUID OR SOLID FUELS**

[www.marque-nf.com](http://www.marque-nf.com)

AFNOR Certification identification no. NF 009

Revision 8 – 24/05/2023

This version cancels and replaces any previous versions.

Approved by the General Manager of AFNOR Certification: the  
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# CONTENTS

Partie 1 GENERAL INFORMATION .....	5
1.1. Scope .....	5
1.2. Certified characteristics.....	5
1.3. Participating organisations .....	6
1.4. List of terms: .....	7
Partie 2 REQUIREMENTS OF THE REFERENCE STANDARD .....	8
2.1. Reference documents.....	8
2.2. Regulations.....	8
2.3. Requirements concerning the quality management system .....	9
2.4. Marking.....	11
Partie 3 CERTIFICATION PROCESS .....	12
3.1. HOW TO OBTAIN CERTIFICATION The admission procedure.....	12
3.2. MAINTAINING THE CERTIFICATION: follow-up procedures and changes .....	13
3.3. Statement of changes .....	14
3.4. Conditions for stoppage or removal of the marking .....	15
3.5. Model of the certification application file.....	15
<b>TECHNICAL APPENDIX A:</b> Eligibility on remote audit and remote sampling.....	XX
<b>TECHNICAL APPENDIX B:</b> Additional specifications for heating appliances.....	XX
<b>TECHNICAL APPENDIX C:</b> Additional specifications for Barbecues.....	XX

This technical certification reference standard was submitted to AFNOR Certification for acceptance into the NF certification system. It was approved by the General Manager of AFNOR Certification on 16/04/2021.

It cancels and replaces any previous versions.

EUROVENT CERTITA CERTIFICATION (ECC), as an accredited certification body, undertakes to draw up technical certification reference standards that guarantee an appropriate level of requirements for the quality, fitness for purpose and durability of the products. The accreditation is evidence of the independence and impartiality of EUROVENT CERTITA CERTIFICATION and its technical ability to develop the NF mark.

The technical certification reference standard can be revised, in part or in full, by EUROVENT CERTITA CERTIFICATION after referring to the interested parties. The revision is approved by the legal representative of AFNOR Certification for acceptance into the NF certification system.

**This technical certification reference standard must be used jointly with the current version of the general reference standard for NF programmes managed by ECC. Therefore, the requirements of the general reference standard for NF programmes managed by ECC should be read because these standards are inseparable from one another.**

UPDATING:

Part modified	Revision no.	Date of application	Change made
Création d'annexe A	8	xxxxx	Definition of eligibility on remote audit and remote sampling in A The Annex A and B of last revision become Annex B and C
Annex C-1.4 §3.2.1	8	xxxxx	For Barbecues: Definition of sampling rules for pellets barbecues
§2.1.1	8	xxxxx	For heating devices: Considering the new standard NF EN 303-5: 2021 for biomass fuelled boilers
§1.3.2	8	xxxxx	For heating devices: Deletion of laboratory Gas.be certification of fossil gas boilers following the ban of French government of the later.
§1.1 ; A-2.2	8	xxxxx	For heating devices: Integration of French government's criteria on biomass fuelled heating devices for fiscal incentives into the NF009 certification characteristics threshold.
§3.2.1.2; Annex A 2.3.3	8	xxxxx	For heating devices: To line up the tolerances defined on the RÈGLEMENT (UE) 2015/1185 DE LA COMMISSION du 24 Avril 2015 on the NF009 certification characteristics
§ 1.3.2	8	xxxxx	For Barbecue : (still waiting for CETIAT accreditation for testing according to EN-1860-1): Withdraw CTIF as testing laboratory, put CETIAT instead.
§ 1.3.2	7	03/05/2021	Withdraw the following laboratories with which ECC does not work with: CSTB, IMQ, CETIAT, introduction of laboratory Gas.be in the certification rules.
Add § 1.3.4	7	03/05/2021	Definition on "beneficiaries" of NF009 certification
Add § 1.3.5	7	03/05/2021	Definition on "no possibility of multisite", all monosite
Annexe A2.2	7	03/05/2021	A table of performance thresholds for each type of heating devices
§3.1.3.2	7	03/05/2021	Definition on sampling size when there is a new admission (for Barbecues and heating devices)
§3.2.1.2	7	03/05/2021	Correction on the sentence: No drift is allowed
§ 3.5.1	7	03/05/2021	Introduction of products declaration list in CLARIS format (ECC IT platform), suppression of those which are obsolete
Appendix B	7	03/05/2021	Introduction of Non-conformances (from annuals tests concerning the decreed parameters) treatment process in Appendix B (Barbecues)
Appendix A	6	11/01/2019	For heating appliances: Inclusion of the requirements of European Directive 2015/1188
Splitting of reference standard into two parts			General provision part, technical provision part specific to each programme
Appendix B			For Barbecues: inclusion of the new standard EN 1860-1, 2017 and the new Decree of 01/08/2018
§ 1.1 Scope  § 2.2   § 2.3.3.2 § 5.2. Part 6. § 5.4. § 2.5. § 4.2.	5	January 2014	Broadening the scope to: pellet stoves, biomass boilers  Introduction of 2 specific appendices: Appendix A - heating and cooking appliances and Appendix B - barbecues, using the specific provisions of revision 4 supplemented by  The addition of pellet stoves and wood-fired boilers in Appendix A  The addition of specific requirements applicable to barbecues (Appendix 9B: factory inspection): Ash pan thickness inspection Thickness inspection method on the fire box Traceability requirement (batch no. or production date) on the packaging  Deletion of § 2.3.3.2: Guide to interpreting NF EN 1860-1  Deletion of CERTIGAZ as an auditing body from § 5.2.  Deletion of part 6: Use of manufacturers' laboratories Addition of the CSTB laboratory as a mark laboratory Change of logo on manuals and advertising and sales documents Addition of the permissible tolerances during certified characteristic follow-up tests.
Whole document	4	August 2011	Transfer of activities to CERTITA Amendment of the French consumer code. Updating of standards Change of NF logo (applicable by end of 2013 at the latest).

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## Partie 1 GENERAL INFORMATION

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### 1.1. Scope

The products covered by this certification reference standard are:

Domestic appliances using liquid or solid fuels, i.e.: heating appliances and barbecues.

### 1.2. Certified characteristics

The certified characteristics are:

Product families	Certified characteristics
Solid fuel stoves:	
Wood stoves	Power, seasonal efficiency, continuous or intermittent operation, fire safety distance, particle emissions, % CO, COG and NOx at 13% O <sub>2</sub> .
Pellet stoves	Power, seasonal efficiency, % CO, particle emissions, at minimum and nominal power over power range at 13% O <sub>2</sub> and COG, NOx
Open fires and inset appliances fueled by solid fuels	Power, seasonal efficiency, particle emissions, % CO, COG and NOx at 13% of O <sub>2</sub> ,
Domestic cookers fueled by solid fuels	Power, %output, seasonal efficiency, % CO, continuous or intermittent operation, particle emissions, % CO, COG and NOx at 13% O <sub>2</sub> ,
Wood/biomass-fueled boilers	Power, season efficiency, % CO, VOC and particle emissions at nominal and minimum power at 10% O <sub>2</sub> , for boilers that operate within a power range.
Barbecues burning solid fuel	Safe use according to the standard and French Decree in force

### 1.3. Participating organisations

#### 1.3.1. Audit body

The list of bodies below may be revised or supplemented by the certification body.

The audit functions of a production unit and customer service sites of use, etc., are carried out by the following body, called the audit body:

#### **EUROVENT CERTITA CERTIFICATION**

48-50, rue de la Victoire  
75009 PARIS  
Tel.: +33 (0)1 75 44 71 71

#### 1.3.2. Test bodies

When the inspections carried out comprise tests on products, these are performed upon request by Eurovent Certita Certification by the following laboratories, known as mark laboratories:

EUROVENT CERTITA CERTIFICATION assigns the tests to the independent laboratories designated below:

#### **CETIAT**

Domain scientifique de la Doua  
25 avenue des Arts  
BP 52042 69603  
VILLEURBANNE cedex FRANCE  
☎ : +33 (0)4 72 44 49 00  
📠 : +33 (0)4 72 44 49 49  
Site web : [www.cetiat.fr](http://www.cetiat.fr)  
Email : [information@cetiat.fr](mailto:information@cetiat.fr)

#### **LNE**

29 avenue Roger Hennequin  
F-78197 TRAPPES Cedex  
☎ : 01.30.69.10.66  
📠 : 01.30.69.12.34  
Site web : [www.lne.fr](http://www.lne.fr)  
Email : [florence.romac@lne.fr](mailto:florence.romac@lne.fr)

#### 1.3.3. Programme Committee

See general provisions.

#### 1.3.4. Beneficiaries of the certification

These certification rules are accessible for all applicants whose products are in the scope of the certification rules defined here above and comply with the technical requirements described in part 2 of this document:

1 – Applicant / holder:

Corporation who ensures the control and/or the responsibility of compliance with all the requirements defined in the certification rules NF009 «Domestic appliances using liquid or solid fuels. »

These requirements cover at least the following steps: design, fabrication, assembly, quality control, marking, conditioning as well as the entering in the market and specify the critical points of the various stages.

2 – Distributor:

Persons distributing the products of applicant/holder, who do not intervene on the product to modify compliance with the requirements of the NF mark.

There different type of distributors like following:

Distributors who distribute products under the trademark of the holders. In this case, no action needs to be taken under the NF mark.

Distributors who distribute products with change of trademark. The applicant/holder must make a request to maintain the right of use.

If a distributor who does not wish an explicit reference to the manufacturer, an admission request of the mark NF must be requested by the distributors, in this case, the production plant will not be mentioned on certificate.

Depending on the operations carried out by the applicant/holder or the distributor, the audited sites and duration of audit for initial certification or for surveillance audit are to be decided case by case.

### **1.3.5. Possibility of single site and multisite**

This certification rules exclude the possibility of multisite: this means that each production plant is audited for admission also for annual surveillance (surveillance audit).

## **1.4. Glossary:**

In addition to the terms defined in the general reference standard, the following terms are thus defined:

### ***Warning:***

Penalty decision, notified by Eurovent Certita Certification, whereby the holder is requested to correct the defects observed within a given period, during which the right to use the NF mark is not suspended. A warning may only be repeated once.

### ***Reinforced monitoring:***

Decision, notified by the certification body, as a result of repeated nonconformities during monitoring operations: plant audit or annual inspection. Reinforced monitoring may either be via reinforced audit, or via the inspection of reinforced products according to the cause of the nonconformities.

## Partie 2

### REQUIREMENTS OF THE REFERENCE STANDARD

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#### 2.1. Reference documents

##### 2.1.1. Standards

The products covered by this reference standard shall meet the requirements set out in the standards in force and the associated amendments.

##### **Heating appliances**

<i>NF EN 13241 : 2022</i>	Room heaters fired by solid fuel Requirements and test methods
<i>NF EN 13229/A2 :2022</i>	Inset appliances including open fires fired by solid fuels Requirements and test methods
<i>NF EN 14785 :2006</i>	Residential space heating appliances fired by wood pellets: Requirements and test methods
<i>NF EN 303-5 + A1 : November 2022</i>	Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW Terminology, requirements, testing and marking
<i>NF EN 12815/A1: August 2005</i>	Cooking appliances: Residential cookers fired by solid fuels Requirements and test methods

##### **Barbecues**

<i>NF EN 1860-1 +A1 August 2017</i>	Barbecues burning solid fuel Requirements and test methods
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##### 2.1.2. Additional technical specifications

The specific additional specifications for heating appliances and barbecues concerning inspections on the production line and on final products in the production plant are defined in the Appendix A and B part.

#### 2.2. Regulations

Non-exhaustive list of European and French regulations in force to be complied with X=applicable

Regulations	Heating appliances	Barbecues
Notice concerning application of Decree No. 2006-18 of 4 January 2006 on the safety of barbecues burning solid fuels: JORF No. 0175 of 1 August 2018		x
European Directive No. 1935/2004 for contact with food		x
European Directive 2015/118: output requirements and emissions	x	
Regulation 2014/35/EU on Low Voltages	x	x
Regulation 2014/30/EU on ECM: Electromagnetic Compatibility	x	x



### 2.3. Requirements concerning the quality management system

In addition to the quality management provisions specified in the general reference standard, the following provisions and details apply:

In accordance with the requirements specified in the general reference standard in § 2.3, the manufacturer shall have implemented its own means, the presence and effectiveness of which are assessed using the applicable requirements of standard NF EN ISO 9001 (see Table 1).

**Table 1**

**X = applicable for heating appliances and cookers**

**O = applicable for barbecues**

§ of standard ISO 9001: 2008	TITLE	§ of standard ISO 9001: 2015	TITLE	Applicable	§ of Appendix A or B
4	Quality management system	4	Context of the body	XO	Appendices: A § 3.3 & B § 1.3
4.1 a) to e)	General requirements	4.4	Quality management system and its processes	XO	Appendices: A § 3.3 & B § 1.3
<b>4.2</b>	Documentation requirements	7.5	Documented information	XO	Appendices: A § 3.3 & B § 1.3
4.2.1	General	7.5.1	General	XO	Appendices: A § 3.3 & B § 1.3
4.2.2	Quality manual	4.3	Determining the scope of the quality management system	XO	Appendices: A § 3.3 & B § 1.3
		4.4	Quality management system and its processes	XO	Appendices: A § 3.3 & B § 1.3
		7.5.1	General	XO	Appendices: A § 3.3 & B § 1.3
4.2.3	Control of documents	7.5.2	Creating and updating	XO	Appendices: A § 3.3 & B § 1.3
4.2.4	Control of records	7.5.3	Control of documented information	XO	Appendices: A § 3.3 & B § 1.3
<b>5</b>	Management responsibility	5	Leadership	XO	Appendices: A § 3.3 & B § 1.3
5.1	Management commitment	5.1.1	General	XO	Appendices: A § 3.3 & B § 1.3
5.2	Listening to customers	5.1.2	Customer focus	XO	Appendices: A § 3.3 & B § 1.3
5.3	Quality policy	5.2.1	Establishing the quality policy	X	Appendices: A § 3.3 & B § 1.3
		5.2.2	Communicating the quality policy	X	Appendix: B § 1.3
5.4.1	Quality objectives	6.2	Quality objectives and planning to achieve them	X	Appendix: B § 1.3
5.4.2	QMS planning			X	Appendix: B § 1.3
<b>5.5</b>	Responsibility, authority and communication		Responsibility, authority and communication	X	Appendix: B § 1.3
5.5.1	Responsibility and authority	5.3	Organisational roles, responsibilities and authorities	X	Appendix: B § 1.3
5.5.2	Management representative			X	Appendix: B § 1.3
5.5.3	Internal communication	7.4	Communication	X	Appendix: B § 1.3
<b>5.6</b>	Management review	9.3	Management review	XO	Appendices: A § 3.3 & B § 1.3
<b>6</b>	Resource management	7	Support	XO	Appendices: A § 3.3 & B § 1.3
6.1	Provision of resources	7.1.1	General	XO	Appendices: A § 3.3 & B § 1.3
		7.1.2	Human resources	XO	Appendices: A § 3.3 & B § 1.3
<b>6.2</b>	Human resources			XO	Appendices: A § 3.3 & B § 1.3
6.2.1	General	7.2	Competence	XO	Appendices: A § 3.3 & B § 1.3
6.2.2	Competence, awareness and training	7.2	Competence	XO	Appendices: A § 3.3 & B § 1.3
		7.3	Awareness	XO	Appendices: A § 3.3 & B § 1.3
6.3	Infrastructure	7.1.3	Infrastructure	XO	Appendices: A § 3.3 & B § 1.3
6.4	Work environment	7.1.4	Environment for the operation of processes	XO	Appendices: A § 3.3 & B § 1.3
		7.1.6	Organizational knowledge	XO	Appendices: A § 3.3 & B § 1.3
<b>7</b>	Product realisation	8	Operation	XO	Appendices: A § 3.3 & B § 1.3
7.1	Planning of product realisation	8.1	Operational planning and control	XO	Appendices: A § 3.3 & B § 1.3

§ of standard ISO 9001: 2008	TITLE	§ of standard ISO 9001: 2015	TITLE	Applicable	§ of Appendix A or B
7.2.3	Customer communication	8.2.1	Customer communication	XO	Appendices: A § 3.3 & B § 1.3
7.3	Design and development	8.3	Design and development of products and services	XO	Appendices: A § 3.3 & B § 1.3
7.4	Purchasing	8.4	Control of externally provided products and services	X	Appendices: A § 3.3 & B § 1.3
7.5	Production and preparation of service	8.5	Production and service provision	XO	Appendices: A § 3.3 & B § 1.3
7.5.1	Control of service preparation and performance	8.5.1	Control of production and service provision	XO	Appendices: A § 3.3 & B § 1.3
		8.5.5	Post-delivery activities	XO	Appendices: A § 3.3 & B § 1.3
7.5.2	Validation of processes for production and service provision	8.5.1	Control of production and service provision	XO	Appendices: A § 3.3 & B § 1.3
7.5.3	Identification and traceability	8.5.2	Identification and traceability	XO	Appendices: A § 3.3 & B § 1.3
7.5.5	Preservation of the product	8.5.4	Preservation	X	Appendix: B § 1.3
		8.5.6	Control of changes	XO	Appendices: A § 3.3 & B § 1.3
7.6	Control of monitoring and measuring equipment	7.1.5	Monitoring and measuring resources	XO	Appendices: A § 3.3 & B § 1.3
		7.1.5.1	General		Appendices: A § 3.3 & B § 1.3
		7.1.5.2	Measurement traceability	XO	Appendices: A § 3.3 & B § 1.3
8.2	Monitoring and measurement	9.1	Monitoring, measurement, analysis and evaluation	XO	Appendices: A § 3.3 & B § 1.3
8.2.1	Customer satisfaction	9.1.2	Customer satisfaction	XO	Appendices: A § 3.3 & B § 1.3
8.2.2	Internal audit	9.2	Internal audit	XO	Appendices: A § 3.3 & B § 1.3
8.2.4	Monitoring and measurement of product	8.6	Release of products and services	XO	Appendices: A § 3.3 & B § 1.3
8.3	Control of nonconforming product	8.7	Control of nonconforming outputs	XO	Appendices: A § 3.3 & B § 1.3
		10.2	Nonconformity and corrective action	XO	Appendices: A § 3.3 & B § 1.3
8.4	Analysis of data	9.1.3	Analysis and evaluation	XO	Appendices: A § 3.3 & B § 1.3
8.5	Improvement	10	Improvement	XO	Appendices: A § 3.3 & B § 1.3
8.5.2	Corrective action	10.2	Nonconformity and corrective action	XO	Appendices: A § 3.3 & B § 1.3
8.5.3	Preventive action	6.1	Actions to address risks and opportunities	XO	Appendices: A § 3.3 & B § 1.3
		10.3	Continual improvement	XO	Appendices: A § 3.3 & B § 1.3

## 2.4. Marking

In addition to the provisions specified in the general reference standard, the following requirements apply.

### Marking of the NF-certified product

All certified products shall bear a permanent and indelible nameplate in accordance with the minimum requirements detailed by product type (in compliance with the specific standards and regulations in force) and the NF logo.

All of this information shall be visible prior to installation, durable, and can be either engraved for example, or affixed with indelible ink on a permanently bonded label.

- **Label on the product:**



- **Stamped or moulded:**

For marking made by stamping or moulding, the marking below is used as an exception.



However, the name of the reference standard and the methods according to which it may be obtained or viewed shall be copied in the product presentation or any other support used to bring this information to the knowledge of the user or consumer.

## **Partie 3**

### **CERTIFICATION PROCESS**

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#### **3.1. HOW TO OBTAIN CERTIFICATION The admission procedure**

In addition to the provisions specified in the general reference standard, the following requirements apply.

##### **3.1.1. Submission of an admission application file**

The application must be sent to Eurovent Certita Certification and must be presented in accordance with the conditions and models given in part 3.5 and in addition to § 3.1 of the general reference standard. It specifies the scope of the requested certification, the ranges and models concerned by the application.

##### **3.1.2. Review of the application**

In addition to the provisions specified in the general reference standard, the following requirements apply:

The application is only admissible if:

- the products concerned by the application are series produced;
- the applicant is in control of and takes responsibility for the following steps: design, manufacture, assembly, quality control, marking, packaging and introduction onto the market, and specifies the critical points of each step;
- any steps not performed by the applicant are covered by a contract defining the respective responsibilities with their service provider. The list of minimum requirements to be included in a contract can be found in the standard contract, a template for which is given in § 3.5 of this reference standard. The applicant remains responsible for all of the operations and the consistency thereof;
- the products covered by the application meet the reference standards and technical specifications laid down in this technical certification reference standard;
- the inspections and tests of the products covered by the application, as specified in the technical documents of this technical certification reference standard, have been in place for at least 6 months;
- Sales photos concerning the product and indication of the draft marking;
- a general information sheet concerning the applicant according to standard sheet 003 for barbecues and standard sheet 002 for heating appliances;
- a standard acceptance application letter written on the manufacturer's headed paper as shown in the enclosed model (standard letter form 001) and standard letter 005, for applications from outside the European Economic Area);
- all the required documents are enclosed with the application, and in particular the contractual documents between the applicant/agent and the applicant/distributor, where appropriate.

##### **3.1.3. Implementation of checking operations**

The provisions set out in the general reference standard apply.

###### **3.1.3.1 Initial admission audit**

In addition to the provisions specified in the general reference standard, the following requirements apply:

The audit time is at least one day. This time can be adjusted if an audit is carried out jointly with other programmes.

###### **3.1.3.2 Samples for laboratory tests**

In addition to the provisions specified in the general reference standard, the following requirements apply. The samples necessary for the performance of the tests may be taken:

- directly from commercial outlets. In this case, the procedures for taking and sending the samples to the test laboratory are managed by EUROVENT CERTITA CERTIFICATION.
- during the audit of the production entity. They shall be marked, sealed and numbered by the auditor so that they can be authenticated subsequently. The samples taken are sent within 15 days by the manufacturer, and under the responsibility of the applicant, to the laboratory in charge of carrying out the tests.
- When the admission audit is a remote one, the sampling associated will also be remote.

Sampling size:

For Barbecues using solid fuels: sampling one Barbecue per reference.

For heating devices: sampling one device per range, when the range content more than 5 devices, sampling 3 devices : the one with the highest power, the one with middle power and the one with lowest power.

### **3.1.4. Evaluation and Decision**

The provisions set out in the general reference standard apply.

## **3.2. MAINTAINING THE CERTIFICATION: follow-up procedures and changes**

### **3.2.1. Implementation of monitoring operations**

The provisions set out in the general reference standard apply.

#### **3.2.1.1 Monitoring audit**

In addition to the provisions specified in the general reference standard, the following requirements apply:

The duration of the audit (including preparation, the audit itself, writing the report and follow-up of corrective actions, if applicable) is 1 day/plant.

#### **3.2.1.2 Monitoring tests in the mark laboratory**

In addition to the provisions specified in the general reference standard, the following requirements apply:

The samples required for carrying out tests are sent by the applicant and under its responsibility, to the independent laboratory charged with carrying out the tests. They must be marked in a way that allows subsequent authentication and be accompanied by information for identifying.

For each production site, the sampling rates for testing regardless of the number of models certified, are as follows:

- Heating appliances: 2 appliances every 3 years.
- Cooking appliances: 2 appliances every 3 years.
- Barbecues: 1 barbecue every year/factory.
- Pellets Barbecues: 1 barbecue every two years/factory

If the characteristics certified on admission comply with the values measured during the follow-up tests, taking the applicable acceptance criteria into account, they are validated. The acceptance criteria applicable to the certified values are defined as follows:

**Acceptance criteria during monitoring tests:**

See Annex §-2.3.3 for detail information.

A test report is drawn up and sent to the holder. This report may, as appropriate, be sent to the holder before or after the evaluation. It can be sent by Eurovent Certita Certification.

**For barbecues:** No drift is allowed.

**3.2.1.3 Inspection of the technical and sales documentation**

The provisions set out in the general reference standard apply.

**3.2.2. Decision and notification**

The provisions set out in the general reference standard apply.

**3.3. Statement of changes**

The provisions set out in the general reference standard apply.

**3.3.1. Changes concerning the holder**

The provisions set out in the general reference standard apply.

**3.3.2. Changes concerning production entities**

The provisions set out in the general reference standard apply.

**3.3.3. Changes concerning the quality organisation of the manufacturing and/or marketing process**

The provisions set out in the general reference standard apply.

**3.3.4. Changes concerning the scope of certification: additional admission for a new model and/or new range**

The provisions set out in the general reference standard apply.

The samples required for carrying out tests are sent by the applicant and under its responsibility, to the independent laboratory charged with carrying out the tests. They must be marked in a way that allows later authentication and be accompanied by information allowing the material batches used for their manufacture to be identified.

**3.3.5. Changes concerning the certified product: Extension**

The provisions set out in the general reference standard apply.

**3.3.6. Maintenance application**

The provisions set out in the general reference standard apply.

### 3.4. Conditions for stoppage or removal of the marking

#### 3.4.1. Temporary stoppage of production or inspection

The provisions set out in the general reference standard apply.

#### 3.4.2. Definitive stoppage of production or surrender of the right of use

The provisions set out in the general reference standard apply.

#### 3.4.3. Modification concerning the distribution circuit

The provisions set out in the general reference standard apply.

### 3.5. Model of the certification application file

#### 3.5.1. File to be provided for an application.

The application for the right to use the NF mark shall be sent to EUROVENT CERTITA CERTIFICATION.

If the application comes from an entity outside the European Economic Area, the applicant will appoint an authorised agent within the European Economic Area who jointly signs the application.

An application concerning a product that benefits from a foreign conformity mark or a test certificate issued by a foreign laboratory is processed taking into account existing recognition agreements, in accordance with the general rules of the NF mark.

The applicant produces an application in French or English in accordance with the templates for the various documents to be provided. These are listed in the table below depending on the different types of application; content shall be adapted on a case-by-case basis.

<b>Documents to be provided for:</b> ❖ <b><u>A very first application</u></b> <b>or</b> ❖ <b>An application for a new product (additional admission)</b>	<b>Documents to be provided for:</b> ❖ <b>An <u>extension</u> application for a modified product</b> <b>or</b> ❖ <b>A <u>maintain</u> application for a new trade mark or sales reference</b>
<ul style="list-style-type: none"> <li>• Licence agreement to be signed and returned to ECC. (for new applicant and new participant)</li> <li>• An information sheet concerning the products/range, in accordance with the standard sheet type 2 for Barbecues and type 1 for heating devices.</li> <li>• A sheet type 4 is planned to define the contractual links between the applicant and his different service providers to whom the applicants subcontract one of the aspect(s) cited in the paragraph 3.3.1.</li> <li>• A xls sheet to be filled in and returned to ECC for both Barbecues and heating devices: the xls sheet will be joint with this certification rules/ in the future one online portal to be completed for products which are to be certified.</li> </ul>	<ul style="list-style-type: none"> <li>• An information sheet type 3 concerning the products/range of products indicating the modifications made in regarding to the certified NF products.</li> <li>• A xls sheet to be filled in and returned to ECC for both Barbecues and heating devices: the xls sheet will be joint with this certification rules/ in the future one online portal to be completed for products which are to be certified.</li> </ul>

**STANDARD SHEET TYPE 1 (for heating appliances)  
NF MARK "Domestic Appliances using Liquid or Solid Fuels"**

**TECHNICAL DATA SHEET**

***Reminder: Documents to be provided in duplicate***

Trade mark: .....

Designation/commercial reference (product or range of heating appliances fired by wood): .....

Testing laboratory: .....

Recovery of the appliance after testing YES-NO

Depending on the certified characteristics (complete the appropriate information):

Power ratings: .....

Output: .....

Seasonal efficiency.....

% CO at 13% O<sub>2</sub>: .....

Reservoir YES – NO

**To be enclosed with the application:**

- Photograph of the product and derivative appliances, if range (possibly on commercial document)
- Commercial document of the product and/or range of appliances
- Facsimile of markings and their locations (draft)
- Manual
- Technical drawings file (paper or computer file in pdf format)
  - For heating appliance ranges fired by wood, the drawings file shall make it possible to characterise all of the models in relation to the basic product.
  - For other appliances (oil stoves, coal stoves, etc.), the drawings file shall make it possible to characterise the product.
  - For barbecues, the drawings file can be replaced by standard sheet 3 for barbecues below.
- For each range of heating appliances fired by wood, a description of the basic product with a list of the derivative products and the nature of the links (for example, flat window, prismatic window, etc.)
- Declaration of conformity with the Low Voltage (LV) Directive depending on the type of room or built-in appliance (if applicable)
- Declaration of conformity with the Electromagnetic Compatibility (EMC) Directive depending on the type of room or built-in appliance (if applicable)
- Asbestos-Free Declaration depending on the type of room or built-in appliance (if applicable)
- Declaration of conformity stating that materials in contact with food are food grade, for barbecues and cookers.
- CE declaration pursuant to the European Construction Products Regulation 89/106/EC (Initial test report issued by a notified laboratory for the appliances in question)
- Declarations of conformity with the Waste Electrical and Electronic Equipment Directive (WEEE) and with the directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)



**STANDARD SHEET TYPE 2 (for barbecues)  
NF MARK “Domestic Appliances using Liquid or Solid Fuels”**

**BARBECUE TECHNICAL DATA SHEET**

**I - GENERAL INFORMATION**

**Manufacturer:**

**Trade mark:**

**Designation/commercial reference:**

**Manufacturing unit (corporate name and address):**

**II - CHARACTERISTICS**

	Type of material	Dimensions (mm)	Type of coating
<b><u>Fire box (internal dimensions):</u></b> - Distance between bottom of fire box and underside of grill in lowest position - Length - Width - Height - Thickness (excluding coating) - Wind shield			
<b><u>Distance between bottom of fire box and ground:</u></b>			
<b><u>Ash pan:</u></b> - Length - Width - Height			
<b><u>Grill:</u></b> - Distance between bars - Bar diameter - Usable area			
<b><u>Spit:</u></b> - Angle - Smallest diameter			
<b><u>Drip tray</u></b>			
<b><u>Spit handle</u></b>			
<b><u>Marking plate:</u></b> - Fastening method			

Presence of a fire box grill: YES or NO

**Spit motor: Declaration(s) of conformity with LV, ECM directives**

♦ windings:   ♦ reduction gear   ♦ blowers

**Declaration of conformity with the Food Contact Directive.**

**STANDARD SHEET TYPE 3**  
**NF MARK “Domestic Appliances using Liquid or Solid Fuels”**

**STANDARD SHEET FOR EXTENSION or MAINTAIN THE RIGHT OF USING THE NF009 MARK  
FOR MODIFIED PRODUCTS**  
**(To be established with the company’s letter head)**

**Mr. Director**  
**Eurovent Certita Certification**  
**48-50 rue de la victoire**  
**75009 Paris**

**Objet : NF MARK “Domestic Appliances using Liquid or Solid Fuels”**  
**Extension or Maintains request the right of using the NF009 mark for modified products**

**<Civility>**,

Inasmuch as a holder of the NF009 mark certificate on products fabricated by us under the following references:

- **product reference/range name**
- **manufacturing entity (company name and address)**
- **specific reference and/or trademark**
- **right of usage granted on (date bearing the number)**

I have the honor to ask the right of use the NF009 mark le droit on the product/range of our production, derived from certified product/range, the modifications are as follows: (expose the modifications here after)

The new products/ranges replace the certified products/ranges

- Yes <sup>(1)</sup>
- No <sup>(1)</sup>

*When No specify:* the new products of our production will be under the following references:

**Product reference/range**  
**Specific reference and/or trademark**

For a request of maintain, please fill in the table beneath:

Certified product Reference	N° de certificate	New reference (or trademark)

I declare that the products/ranges which are the subject of this application, are on the other characteristics, strictly conform to products/ranges already certified NF009 mark and they are produced in the same conditions.

I certify that these products meet the applicable regulatory requirements and commit myself not to present counterfeit products for certification.

Please accepte, **<Civility>**, my best regards

**Date et signature du représentant légal du titulaire**

**<OPTION (2) : Date et signature du représentant dans l'EEE>**

(1) remove the useless phrase.

(2) Only concerns certificate holders located outside the European Economic Area

**STANDARD SHEET 004**  
**NF MARK “Domestic Appliances using Liquid or Solid Fuels”**

Example: **STANDARD CONTRACT**

*A form is provided to define the contractual relationships between the applicant and the various service providers to which it subcontracts any of the aspects specified in paragraph 3.3.1.*

*The form shall be updated and sent to Eurovent Certita Certification*

*A form shall be drawn up for each service provider and for each of the previously defined aspects.*

Applicant/Holder: .....

Service provider: .....

**Service identification:**

To be specified based on the definition of the applicant

**Minimum requirements that shall be shown in the contract:**

- the service provider shall commit to meeting the requirements of the certification rules of the corresponding NF “**Domestic appliances using liquid or solid fuels**” application
- management of customer complaints by the applicant/holder in conjunction with the service provider
- management of complaints among service providers by the applicant/holder
- as part of the design work, the holder of the intellectual property shall be designated; it shall inform the other party of any change in the design drawings.
- the service provider shall inform the applicant/holder of any changes to its quality management system, and in particular of any instances of nonconformity detected during internal inspections or external audits
- the service provider accepts the possible presence of a representative of the applicant/holder during the admission audits and during monitoring of NF certification.

**Contract number:**

**DOCUMENTS TO BE PROVIDED:**

A copy of the contract in French or English.

Form drawn up on:

Modification dates: Subject of the modification

- 1 –
- 2 –
- 3 –
- .....

## TECHNICAL APPENDIX A

### Eligibility for a remote audit or a remote sampling

An audit/a sampling either for first admission or for surveillance shall be performed in priority by face to face at production site or at the place of storage.

A remote audit/a sampling could be an option which could be proposed to certificate holders according to dispositives of the commun NF certification rules of programs managed by Eurovent Certita Certification.

The following additional criteria specific to the NF128 program apply:

- A remote audit/a sampling is possible only for those programs having already face to face on site audits.
- One production site with at least 1 renewed non-conformity successively 2 times either by audit on production site or by annual surveillance device testing, could not be remote audited.
- One production site which has more than 2 (2 included) critical non-conformities observed during year n audit, could not be remote audited for year n+1.
- Les remotes audits could not be performed within in 2 successive campaigns (two year's successive audit, testing)
- In case of extraordinary events or if travel to a specific location is not reasonable (i.e., for safety reasons, travel restrictions, etc.), remote sampling can be made mandatory by ECC in response to the situation without eligibility criteria.
- The sampling of devices in the program NF009 is performed always during the audit, by the consequence, when an audit is remote the sampling is also, as true as conversely. When a sampling shall be separated with the audit, it would be considered case by case if it would be remote or not.

# TECHNICAL APPENDIX B

## Additional specifications for heating and cooking appliances

### CONTENTS

B-1. Definition of families and ranges

B-2. Technical specifications and test methods

B-3. Quality control and inspections at the production plant

N° d'identification : NF 009

N° de révision : 8

Date de mise en application : xxxx

## **B-1 Definition of families and ranges**

### **Definition of families and ranges**

The product definitions for appliances other than biomass boilers are given in the respective applicable product standards. See technical reference standard, § 2.1.

The definition of systems and ranges only applies to biomass boilers.

A product family is made up of boilers fired by identical fuels. The families are thus defined as follows by fuel family:

- Log family
- Pellet family
- Wood chip family
- Other biomass family

Within the same family, a product range is made up of the following elements:

- The same type of heating unit
- The same heat exchange principle
- The same type of combustion
- The same control principle for automatic boilers

Only the size and power vary.

## **B-2. Technical specifications and tests methods**

This appendix to reference standard NF - 009 Heating appliances covers all of the appliances defined in § 2.1 of the technical standard. It describes the additional specifications mentioned in the technical reference standard § 2.1.2

### **B-2.1 The certified characteristics:**

See § 1.2 of the technical reference standard.

### **B-2.2 The performance thresholds**

In addition to the list of certified characteristics specified in § 1.2 of the technical reference standard, the performance threshold that shall be expected to be eligible for the mark NF 009 heating are described below for each family of heating appliances.

See the table below for detailed information:

For appliances fuelled with wood logs

Effective date	Seasonal energy efficiency	CO emission	NOx emission	Particles emission	COV emission
01/03/2022	≥65%	1500mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	40mg/ Nm <sup>3</sup>	120mg/ Nm <sup>3</sup>
				PM+COV≤150 mg/ Nm <sup>3</sup>	
01/01/2025	≥65%	1500mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	40mg/ Nm <sup>3</sup>	120mg/ Nm <sup>3</sup>
				PM+COV≤130 mg/ Nm <sup>3</sup>	
01/01/2028	≥65%	1500mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	40mg/ Nm <sup>3</sup>	120mg/ Nm <sup>3</sup>
				PM+COV≤120 mg/ Nm <sup>3</sup>	

For appliances fuelled with pellets:

Effective date	Seasonal energy efficiency	CO emission	NOx emission	Particles emission	COV emission
01/03/2022	≥79%	300mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	20mg/ Nm <sup>3</sup>	60mg/ Nm <sup>3</sup>
				PM+COV≤70 mg/ Nm <sup>3</sup>	
01/01/2025	≥79%	300mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	20mg/ Nm <sup>3</sup>	60mg/ Nm <sup>3</sup>
				PM+COV≤40 mg/ Nm <sup>3</sup>	
01/01/2028	≥79%	300mg/Nm <sup>3</sup>	200mg/ Nm <sup>3</sup>	20mg/ Nm <sup>3</sup>	60mg/ Nm <sup>3</sup>
				PM+COV≤25 mg/ Nm <sup>3</sup>	

For wood stoves, inset appliances, boilers, and cookers, Regulation 2015/1185 applies on 01/01/2022 for appliances with nominal power ≤ 50 kW.

The requirements regarding indications: from 01/01/2022, the following information shall be provided to installers and users:

The installation manual for installers and users, and free website access by the manufacturer or their representative, or importer, and shall contain the following information:

The technical information indicated in Table 1 of the regulation page L193/10 to L193/12

Any precautions specific to the assembly, installation and regarding maintenance. Information concerning the dismantling, recycling, or final end-of-life disposal.

## **B-2.3 Characterisation methods and tests**

### **B-2.3.1 Admission audit and tests:**

The admission audit is obligatory in accordance with the requirements set out in § 2.3 of the technical reference standard for quality management and A-3 for production plant inspections.

For boilers for which final assembly takes place in France, but the main component of which (for example the heating unit) is assembled by a subcontractor, the admission audit can only be performed at a final assembly plant if the inspection provisions are deemed adequate at the final assembly plant.

The admission tests on the certified characteristics are performed in accordance with the standards applicable to the products by the mark laboratories set out in the technical reference standard.

NF 009-certified products shall comply with all of the applicable European and French regulations and directives in force.

Tests performed at other laboratories may be considered under the following conditions:

- The laboratory is ISO 17025-accredited by COFRAC or equivalent, or by an EA agreement signatory accreditation body, for the relevant tests.
- The test report is no more than 10 years old.
- If applicable, additional tests on the characteristics deemed necessary by Eurovent Certita Certification, performed by the mark laboratories, if the previous tests were performed with the previous version of the standard.

Eurovent Certita Certification checks the laboratory's accreditation and the scope of its accreditation when the admission application is examined.

For biomass boilers, the standby loss test is performed in accordance with test protocol EN 15502-1, with a  $\Delta T = 50 \text{ K}$ .

### **B-2.3.2 Follow-up audit and tests:**

Follow-up audit: see technical reference § 3.2.1.1

The follow-up tests are performed at the mark laboratories on the samples taken during the annual follow-up audit, for all the certified characteristics. The sampling procedure is defined in § 3.2.1.2 of the technical reference standard. In addition, the sampling procedure for the following biomass boilers applies:

#### **For biomass boilers:**

For boilers for which final assembly takes place in France, but the main component of which (for example the heating unit) is assembled by a subcontractor, the follow-up audit can only be performed at a final assembly plant if the inspection provisions are deemed adequate at the final assembly plant by Eurovent Certita Certification.

The frequency of the follow-up audit can be reduced to once every two years, if the admission audit and previous follow-up audit do not reveal any major nonconformities and the follow-up tests are compliant.

The tests are carried out in accordance with the applicable product standards.

The number of samples taken is defined as specified in § 3.2.1.2. of the technical reference standard, however:



if the number of certified ranges  $\leq 5$ , 1 appliance sampled every 2 years on one range.  
if the number of certified ranges  $\geq 6$ , 2 appliances sampled every 3 years from two different ranges.

Where possible, the samples should be different from one follow-up year to the next

### **B-2.3.3 Authorised tolerances in relation to performances during annual surveillance tests.**

The tolerances permitted on the values measured during the follow-up tests comply with § 3.2.1.2.2 of the technical reference standard, and the model is considered compliant with the applicable requirements specified in § 2.1 and § 2.2 of the technical standard, if:

- a) the declared values comply with the requirements stated in § A-2.2 taking into account the acceptance criteria in § 3 of the technical reference standard.
- b) seasonal energy efficiency for space heating  $\eta_s$  is not more than 5% less than the declared value.
- c) the emissions comply with the following requirements:

PM emission:

For open heating devices and inserts, the particles emission shall not exceed the declared valued of 20 mg/m<sup>3</sup> at 13 % O<sub>2</sub>,

For closed local heating devices other than those fuelled with pellets or compressed wood fuels, the particles emission shall not exceed the declared valued of 10 mg/m<sup>3</sup> at 13 % O<sub>2</sub>;

For those closed local heating devices fuelled with pellets or compressed wood fuels, the particles emission shall not exceed the declared valued of 10 mg/m<sup>3</sup> at 13 % O<sub>2</sub> when the measures are taken according to the annex III, point 4 a) i) 1) of Eu commission regulations 2015/1185 of 24<sup>th</sup> of April 2015, or the particles emssion shall not exceed the declared value of 1 g/kg when the measures are taken according to the annex III, point 4 a) i) 2) or shall not exceed the declared value of 0.8 g/kg when the measures are taken according to the annex III, point 4 a) i) 3).

OGC emissions:

For open heating devices and inserts, OGC emission shall not exceed the declared valued of 25mgC/m<sup>3</sup> at 13% of O<sub>2</sub>.

For closed and those local heating devices fuelled with pellets or compressed wood fuels, the OGC emissions shall not exceed the declared value of 15 mgC/m<sup>3</sup> at 13% of O<sub>2</sub>.

CO emissions:

For open heating devices and inserts, CO emissions shall not exceed the declared value of 275 mg/m<sup>3</sup> at 13 % O<sub>2</sub>.

For closed and those local heating devices fuelled with pellets or compressed wood fuels, the CO emissions shall not exceed the declared value of 60 mg/m<sup>3</sup> at 13 % O<sub>2</sub>.

NOx emissions:

The NOx emissions expressed under the form of NO<sub>2</sub>, shall not exceed 30 mg/ m<sup>3</sup> at 13 % O<sub>2</sub> for all kinds of devices.

### **B-3. Quality control and inspections at the production plant**

The manufacturer shall set up a documented quality system in accordance with the applicable provisions of § 2.3.

The sampling frequency is left to the manufacturer's initiative; however, it shall be representative of production.

In accordance with the requirements specified in the § 2.3 of the technical reference standard, the manufacturer shall have the means necessary to perform the inspections during and after manufacture defined below.

The inspection results shall be recorded in logbooks or other materials provided for this purpose and kept in accordance with documented procedures.

The inspection plan in place shall include at least the inspections and tests described below depending on the type of appliance. The inspection sampling frequency on the production line and on the final product is left to the manufacturer's initiative; however, it shall be representative of production.

#### **Liquid fuel stoves**

The following factory inspections and tests are to be performed:

##### **A/ Components to be inspected by sampling before assembly or using another evaluation method**

- ◆ Pot burner
- ◆ Combustion air limiter
- ◆ Constant level tank
- ◆ Reservoir

##### **B/ Inspections to be performed on appliances during the production cycle or on the final product.**

All the inspections are to be performed during the production cycle (self-inspection, flow-process grid, procedure, etc.).

Records are kept by sampling during the production cycle or on the final product.

- ◆ **Heating unit, window/cover(s):**
  - Seal, by visual inspection
- ◆ **Pot burner:**
  - Presence of washers or rings
  - Seal with heating unit, if removable
  - Operation of cleaning device
- ◆ **Combustion air limiter - draught limiter:**
  - Flap operation (free)
- ◆ **Baffle:**
  - Presence
- ◆ **Constant level tank:**
  - Position
- ◆ **Tubing:**
  - Tightening
- ◆ **Reservoir:**
  - Internal appearance
  - Presence of filter, plug, etc.
  - Tap operation (dry)
- ◆ **Protective shield:**
  - Presence

- ◆ **Drip pan:**
  - Presence (if removable)
- ◆ **Overall:**
  - General finish
  - Operation of removable and adjustment elements (door, cover(s), window, etc.)
- ◆ **Marking and manual:**
  - Nameplate
  - NF marking on certified products
  - Manual(s)

### **Automatic wood pellet and wood chip stoves**

The following factory inspections and tests are to be performed:

#### ***A / Components to be inspected by sampling before assembly or using another evaluation method.***

#### **Raw materials and components**

Type - composition/specifications:

- Thickness
- Dimensions
- Finish
- ◆ **Pipe or sleeve:**
  - Diameter  $\leq$  160 mm, length  $\geq$  25 mm
- ◆ **Ash pan and ash removal:**
  - Collects residue efficiently under the grate
  - Enables safe removal of residue without excess overflow during heating
- ◆ **Smoke register**
  - This flue damper shall have a continuous opening  $\geq$  20 mm<sup>2</sup> or 3% of the damper cross-section.
- ◆ **Insulation material**
  - Insulation material specifications
  - Density — thermal conductivity
- ◆ **Seals and sealing materials.**
  - Type, including identification or composition in the absence of a certificate of conformity.
  - Dimensions

#### ***B / Inspections to be performed on appliances during the production cycle or on the final product.***

All the inspections are to be performed during the production cycle (self-inspection, flow-process grid, procedure, etc.). Records are kept by sampling during the production cycle or on the final products.

- ◆ **Ash pan**
- ◆ **Bottom grate**
- ◆ **Air supply:**
  - Thermostat, manual control, intake device dimensions, etc.
- ◆ **Combustion air register:**
  - Flue damper
- ◆ **Combustion air bypass**
- ◆ **Ember grate**
- ◆ **Combustion chamber construction**
- ◆ **Convection system**

- ◆ **Supply system**
- ◆ **Fire doors/stoking doors**
- ◆ **Component sealing to prevent leaks**
- ◆ **Positioning of movable/interconnecting elements**
- ◆ **Marking and manual:**
  - Nameplate
  - NF marking on certified products
  - Manual(s)

**C / Cold checking of products fitted with electrical equipment.**

The checks listed below shall be carried out on all products (complete inspection).

- Dielectric strength check
- Earth bonding check
- Leakage current check
- Inspection of marking

Note: These checks and inspections shall be performed after assembly and wiring of all of the elements forming the electrical equipment.

**Open fireplace and inset appliances**

The following factory inspections and tests are to be performed:

**A / Components to be inspected by sampling before assembly or using another evaluation method.**

- ◆ Automatic air regulation devices
- ◆ Draught dampers built in to the appliance

**B / Inspections to be performed during the production cycle or on the final product.**

All of the inspections are to be performed during the production cycle (self-inspection, flow-process grid, procedure, etc.).

Records are kept by sampling during the production cycle or on the final product.

- ◆ **Flue collar**
- ◆ **Door:**
  - Operation
  - Seal if required by product design

Note: the seal is checked according to the techniques and specifications of each manufacturer
- ◆ **Ignition vent:**
  - Operation
  - Compliance of control marking
- ◆ **Damper**
  - Model compliance (reference or other means of checking)
  - Operation
  - Compliance of control marking
- ◆ **Fixed air intake**
- ◆ **Ash removal device**
- ◆ **Removable elements of the heating unit:**

Note: these include the ash pan, grate, log holders, fire-dogs, baffles, etc.
- ◆ **Heating unit:**
  - Visual inspection and inspection of general appearance (material or assembly defects)

- Inspection of heating unit seal using the appropriate method (visual and other inspection, etc.)

- ◆ **Protective shields (surrounding of heating unit where this exists)**
- ◆ **Identification plate**
- ◆ **Advisory text relating to installation and various warnings**
- ◆ **NF marking on certified products**
- ◆ **Manual: Fitness of manual for appliance**
- ◆ **Accessories and packages (for appliances in parts)**
- ◆ **Appearance and general finish**
- ◆

#### **C / Cold checking of products fitted with electrical equipment**

The checks listed below shall be carried out on all products (complete inspection).

- ◆ **Dielectric strength check**
- ◆ **Earth bonding check**
- ◆ **Leakage current check**
- ◆ **Inspection of marking**

Note: These checks and inspections shall be performed after assembly and wiring of all of the elements forming the electrical equipment.

### **Cookers and stoves fired by solid fuels**

#### **A / Components to be inspected by sampling before assembly or using another evaluation method.**

- ◆ **Automatic air regulation devices**
- ◆ **Draught damper built in to the appliance**
- ◆ **Insulators**

#### **B / Inspections to be performed during the production cycle or on the final product.**

All the inspections are to be performed during the production cycle (self-inspection, flow-process grid, procedure, etc.).

Records are kept by sampling during the production cycle or on the final product.

- ◆ **Flue collar**
- ◆ **Doors:**
  - Operation.
  - Closing/Seal.

Note: the seal is checked according to the techniques and specifications of each manufacturer.

- ◆ **Ignition vent:**
  - Model compliance (reference or other means of checking).
  - Compliance of control marking.
  - Operation.
- ◆ **Choke flap**
  - Model compliance (reference or other means of checking).
  - Compliance of control marking.
  - Operation.
- ◆ **Ash removal device: Operation.**
- ◆ **Fixed air intake or thermostat presetting**
- ◆ **Ash pan:**
  - Presence.
  - Compliance.
- ◆ **Removable elements of the heating unit:**
  - Presence.
  - Compliance of parts.

**Note:** these include the ash pan, grate, log holders, firedogs, baffles, etc.

◆ **Heating unit:**

- Visual inspection and inspection of general appearance (material or assembly defects).
- Inspection of heating unit seal using the appropriate method (visual and other inspection, etc.).

◆ **Marking on the appliance:**

- Presence and position.
- Compliance of information (if this has not been checked before assembly).
- Presence of NF marking for certified products.

◆ **Manual:**

Fitness of manual for appliance

◆ **Accessories and packages (for appliances in parts):**

- Appearance and general finish.

**C/Cold checking of products fitted with electrical equipment.**

The checks listed below shall be carried out on all products (complete inspection).

- Dielectric strength check,
- Earth bonding check,
- Leakage current check,
- Inspection of marking

**Manual and automatic biomass boilers**

The manufacturer shall produce an inspection plan covering the inspections and tests necessary during the production process and specifying the following:

- 1) the inspection system,
- 2) the person responsible for Quality Assurance,
- 3) the inspections and tests necessary, together with the corresponding limit values and
- 4) the measuring and test equipment required and the inspection thereof
- 5) inspection records shall be retained for at least 5 years.

**A / Components to be inspected by sampling before assembly or using another evaluation method**

◆ **Compliance of construction materials and welds used**

The manufacturer shall ensure that the construction materials are compliant. The materials specification shall be certified in accordance with EN 10204. These certificates shall be obtained by the boiler manufacturer.

The welders shall be qualified for the material to be used.

Welds shall be systematically and regularly inspected by experienced inspection personnel. The thickness of the walls under pressure shall comply with the standard.

**B / Tests during standard production:**

◆ **Pressure test:**

**For steel or non-ferrous metal boilers:**

- Each boiler shall be tested during production and the pressure test shall be at least 1.43 x OP. The result shall be recorded in a test report.

***For non-ferrous cast metal elements:***

- Each boiler element shall undergo a cold hydraulic test with a pressure of 2 X OP (minimum of 8 bar). The maximum test pressure is 10 bar.
- The thickness of the walls of the boiler elements shall be inspected during production in accordance with the requirements established.
- The limit value of the wall thickness at each measurement point shall be determined by subtracting the permitted tolerance from the nominal thickness.
- The boiler elements and parts under pressure shall bear the following information:
  - manufacturer or manufacturer's logo,
  - type of material,
  - date cast,
  - model number,
  - mark of conformity if this exists.

**Boiler shell:**

- Each boiler shall undergo a hydraulic pressure test at 1.3 times OP (at least 4 bar) before the insulation is fitted on the manufacturer's premises. For boilers that are assembled on site by the installer, the manufacturer shall provide information about the conditions for performing this pressure test. During these hydraulic tests, no sealing defects shall appear.

**◆ Marking and manual:**

- Nameplate
- NF marking on certified products
- Manual(s)

***C/ Cold checking of products fitted with electrical equipment.***

**◆ Electrical safety: (complete inspection).**

- Dielectric strength check,
- Earth bonding check,
- Leakage current check,
- Inspection of marking.

## **APPENDIX C**

### **Specific requirements applicable to barbecues**

#### **CONTENTS**

**C-1 Technical specifications**

**C-2 Test methods**

**N° d'identification : NF 009**

**N° de révision : 8**

**Date de mise en application : xxxx**



## C-1 Technical specifications

All applicable European and French regulations shall be respected, see technical reference standard § 2.1 and § 2.2.

This appendix to reference standard NF - 009 Barbecues covers all of the appliances defined in the current version of NF EN 1860-1. It describes the additional specifications mentioned in the technical reference standard § 2.1.2.

### C1.1 Traceability requirement:

The product packaging shall comprise a number, for example the manufacturing date and/or batch, or other means of tracing the identity of the product.

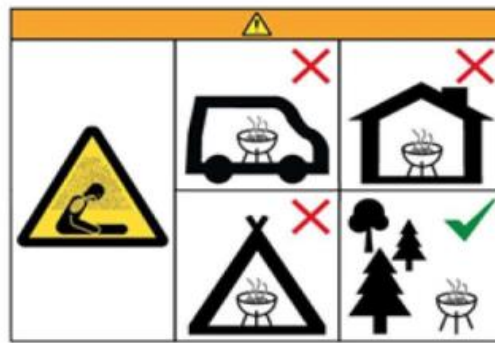
### C1.2 Marking specification:

In addition to the requirements described in the technical reference standard, § 2.4, the following requirements apply: **Marking requirements specified in Decree no. 2006-18 of 04/01/2006 and standard EN 1860-1 August 2017:**

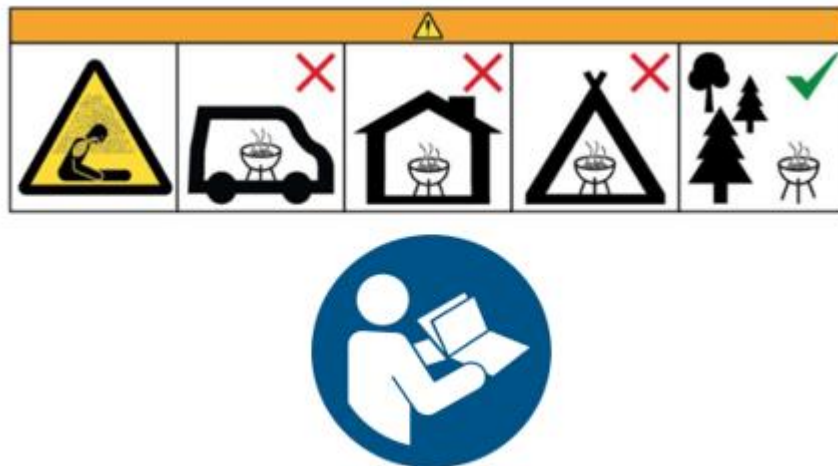
On the appliance:

- Information making it possible to identify the entity responsible for first introduction onto the market.
- Information making it possible to identify the product, model, or type and, if applicable, the manufacturing batch of the product.
- The following warning:  
**“Caution! Do not use alcohol, petrol or any other similar liquid to light or relight the fire.”**
- The following pictograms (select one of the following options):

Option 1:



Option 2:



Option 3:



These pictograms shall remain legible and shall not have been deleted after the tests according to EN 1860-1 Chapter 5.2.

The dimensions of each square pictogram shall be at least 20 mm × 20 mm and the diameter of the circular pictogram shall also be at least 20 mm. The colours shall be such as illustrated above.

These pictograms shall be printed in color on packaging and shall be present on users' manual.

On the user manual, warning sentence of the pictograms shall be present in the language of the product destination country.

On the packaging:

- a) Information making it possible to identify the entity responsible for first introduction onto the market;
- b) Information making it possible to identify the product, model or type and, if applicable, the manufacturing batch of the product;
- c) The following warning:  
"Caution! Do not use alcohol, petrol or any other similar liquid to light or relight the fire."

On the manuals:

- a) A description of the model or product type, including an exploded view specifying the various parts.
- b) Information stipulating that the barbecue must be installed on a stable, horizontal surface before use.
- c) The appropriate assembly method, optionally supported by diagrams.
- d) Advice for safe operation of the barbecue.
- e) Recommendations stipulating that the barbecue must be heated up and the fuel kept incandescent for at least 30 minutes before the start of cooking.
- f) The fuel(s) that can be used and the maximum quantity to use.
- g) The appropriate lighting procedures, including the following warning: "Wait until there is a layer of ash covering the fuel before starting to cook."
- h) The type of batteries to use if a battery-powered electric motor is supplied or recommended.
- i) The following warnings:  
"Caution! This barbecue will get very hot. Do not move during use";  
"Caution! Do not use in an enclosed space";  
"Caution! Do not use alcohol, petrol or any other similar liquid to light or relight the fire";  
"Caution! Keep barbecue out of reach of children and pets".

### **C 1.3 Inspections during manufacturing**

In accordance with the requirements specified in the § 2.3 of the technical reference standard, the manufacturer shall have the means necessary to perform the inspections during and after manufacture defined below.

The manufacturer shall set up a documented quality system in accordance with the applicable provisions of clause 2.3. The sampling frequency is left to the manufacturer's initiative; however, it shall be representative of production.

The inspection results shall be recorded in logbooks or other materials provided for this purpose and kept in accordance with documented procedures.

The inspection plan in place shall include at least the inspections and tests described below depending on the type of appliance.

**A / Components to be inspected by sampling before assembly or using another evaluation method.**

◆ **Grill and fire box grill:**

Items to be inspected:

- Dimensions.
- Space between bars (< 20 mm).
- Absence of sharp edges.
- Appearance (chrome-plating).

◆ **Spit:**

Items to be inspected:

- Angle of the end of the spit (between 60° and 90°) and minimum diameter (between 1.5 and 3 mm).
- Tightening of locking devices.
- Diameter of body and drive.
- Appearance (chrome-plating).
- Inspection of fixed or removable handle and 2 meat forks (adjustment and locking).

◆ **Handle or gripping device:**

Inspection of the overall length:

- spit handle  $\geq 100$  mm.
- motor handle  $\geq 80$  mm.
- other handle or gripping device  $\geq 80$  mm.

◆ **Ash pan:**

- The ash pan shall have a minimum thickness of 0.7 mm of bare metal.
- For ash pans with a longest side < 400 mm, a thickness of 0.5 to 0.7 mm is acceptable provided that both sides of the metal are enamelled or vitreous enamelled.

◆ **Motor:**

Inspection to be carried out on assembled barbecue with spit loaded (0.5 kg per 100 mm):

- check that the operating time is greater than 30 minutes without the need to reassemble or replace the battery.

◆ **Drip tray:**

Inspection of dimensions (if horizontal: min. depth 5 mm and recessed portion 30 mm away from fire box).

◆ **Fire box**

Items to be inspected:

Thickness (unless fire box is made from stone or brick).

Three inspection points: one in the middle of the fire box, two on opposite sides.

If the fire box is a fire box grill, only two opposite sides are measured.

0.7 mm minimum if grill dimension  $\leq 400$  mm or

0.8 mm minimum if grill dimension  $> 400$  mm or

0.5 mm minimum for glass or porcelain enamel coating and grill dimension  $\leq 400$  mm

2.5 mm for cast metals

Absence of sharp edges  
Absence of holes or cracks  
Drilled holes (if any)  
Dimensions of openings (max. 4) < 3 mm and less than 50 mm<sup>2</sup>

In addition to the inspections mentioned above, the following shall be checked:

Length of legs  
Drilling (diameter and position) of the holes receiving assembly screws and screws themselves.

**B / Checks to be carried out on products taken from stock (by sampling).**

◆ **Assembly of the appliance with the tools provided.**

◆ **Grill**

- Positioning and removal of grill
- Static load (0.5 kg/dm<sup>2</sup> usable area) and stability test
- Grill in lowest position does not come into contact with fuel in the fire box loaded to 75% of capacity

◆ **Spit**

- Stability of loaded spit (0.5 kg per 100 mm of length) on the brackets
- Positioning of the spit on a cylinder with a diameter of 200 mm and a length of 60% of the usable length of the spit

◆ **Stability**

⇒ **Portable barbecue and fixed barbecue without hood:**

**On a horizontal surface:**

- Stability with fire box filled with fuel to 75% of capacity and grill loaded with 1 kg/dm<sup>2</sup> spread over the usable area.
- Check correct operation of brakes (does not apply to fixed barbecues with hood)
- Drip tray: usable part at least 30 mm from fire box, flow in opposite direction to fuel area
- Check stops for fire box positions.

**On a surface inclined at 10°:**

- Stability with fire box filled with fuel to 75% of capacity and grill loaded with 0.5 kg per 100 mm of length (all positions)

**Legs:**

- Check that there is at least one leg that does not have a wheel or castor
- Check that there is at least one wheel fitted with a brake system
- Check correct operation of brakes (does not apply to fixed barbecues with hood)

For barbecues with folding legs:

- Check that legs cannot be folded during use (cooking)

⇒ **Fixed barbecue with hood:**

**On a horizontal surface:**

- Check impact resistance in accordance with the description in NF EN 1860-1, § 5.4.2.1

◆ **Handling**

Check that it is possible to insert and/or remove accessories from the barbecue or change the position of the fire box in accordance with the user manual under the following conditions:

- fire box filled to 75% of fuel capacity
- grill loaded with 0.25 kg/dm<sup>2</sup> spread over the usable area
- spit loaded with 0.5 kg/dm<sup>2</sup> per 100 mm of length

◆ **Marking and manual:**

- Presence and compliance:  
Nameplate or marking on the barbecue and packaging including:
  - manufacturer's name or trademark (making it possible to identify the entity responsible for first introduction onto the market)
  - warning "Caution" Do not use alcohol, petrol or any other similar liquid to light or relight the fire." (minimum size 3 mm upper case letters and 2 mm lower case letters)
  - model
  - NF marking (compulsory on the product but optional on the packaging)

**Manual(s):**

- A description of the model or product type, including an exploded view specifying the various parts.
- Information stipulating that the barbecue must be installed on a stable, horizontal surface before use.
- The appropriate assembly method, optionally supported by diagrams.
- Advice for safe operation of the barbecue.
- Recommendations stipulating that the barbecue must be heated up and the fuel kept incandescent for at least 30 minutes before the start of cooking.
- The fuel(s) that can be used and the maximum quantity to use.
- The appropriate lighting procedures, including the following warning: "Wait until there is a layer of ash covering the fuel before starting to cook."
- The type of batteries to use if a battery-powered electric motor is supplied or recommended.
- The following warnings:
  - "Caution!" This barbecue will get very hot. Do not move during use";
  - "Caution! Do not use in an enclosed space";
  - "Caution! Do not use alcohol, petrol or any other similar liquid to light or relight the fire";
  - "Caution! Keep barbecue out of reach of children and pets".

## **C1.4 Tests on admission and during follow-up inspections**

In addition to the requirements specified in § 3 of the technical reference standard, the following specific requirements apply:

Barbecues are certified on an individual basis, i.e. each model is certified. Family relationships are covered by the admission of an original model and the extension or maintenance of such admission.

For admission, all of the tests required by the standard and regulations shall be performed. For extension of a model that is already certified, the tests to be performed will be examined on a case-by-case basis. For maintenance of a certified model (change of trade name, minor change that has no technical or operational impact on the product), no tests need be performed.

For the annual inspection, all the requirements of the standard and the French decree shall be checked.

One barbecue every year and one pellet barbecues very two years are sampled during the annual audit for the follow-up inspection on each production site.

## **C-2 Test methods.**

The tests are performed in accordance with the standard EN 1860-1, the in-force version, and the French decree both on admission and during the annual inspection. Manufacturers are responsible for the conformity of their products in relation to the European and French regulations in force.

The samples are taken from a minimum stock of 5 appliances.

For each production site, the sampling rates for testing regardless of the number of models certified, are as follows: 1 barbecue every year/factory.

## **C-3 Non-conformance (from annuals tests) treatment process**

**This process is to define the functioning rules in case where non-conformance(s) (observed during the annuals tests) related to the French decree:**

In case where non-conformance observed in regarding to the French decree: Notice concerning the application of French decree n°2006-18 dated 4<sup>th</sup> of January 2006 in regarding to the safe use of solid fuels barbecues,

Following actions shall be taken by NF009 certificate holders:

- Identification and analysis on cause of the non-conformance(s) observed.
- Analysis on the expanse of the non-conformances on products of the same range (or similar products which are under the same requirements)
- Identify the preventive actions concerning the same range of products to prevent from re-occurring the same non-conformances for the next upcoming production.

This should be withing one month from the notification of the non-compliance.

As soon as the corrective, preventive actions and the analysis on the expanse of non-conformances received, ECC could decide that a supplementary verification is necessary to ensure that the corrective and preventive actions have been implemented in production plant (or corrections have been performed on storage in the manufacturer's warehouse)

When exceeded the one months, suspension of certificate on the concerned model could be decided by ECC.

In case of suspension of certificate, the following actions shall be taken by the certificate holder:

-Information to end users/distributors about the risks latest 15 days follow the notification of suspension.  
(the notification evidence shall be provided to ECC)

-Stop commercialization of concerned products (at distributors and/or in storage) the latest 15 days follow the notification of suspension. (Retrieve back the affected products, inform ECC about the quantity and disposal of this)

-A penalty test will be carried out on a product of the same range than the model suspended, during the next year surveillance (devices from mass production). In case of non-conformances observed followed the penalty test, the present process of non-conformance treatment shall apply.