

ID-Nr.: RS 003

REGISTRAZIONE ENAMA N° 016 – RS003 / ENAMA REGISTRATION N°016 – RS003

Si certifica che il pellet di legno per riscaldamento domestico prodotto e distribuito da:

It is certificated that the Wood Pellet for Heating Purposes produced and traded by:

SPIK IVERICA D.o.o.

Via Marinkovica, 139 – 32250 Ivanjica SRBIJA

Prodotto e Confezionato nello stabilimento di:

Produced and Bagged into the plant of:

SPIK IVERICA D.o.o.

Via Marinkovica, 139 – 32250 Ivanjica SRBIJA

Commercializzato con i marchi commerciali:

Vedasi Allegato 1 - Il presente certificato non è da ritenersi valido se non accompagnato dal relativo Allegato

Marketed with the trademarks:

See Annex 1 - This certificate is not valid without the relative Annex

È conforme ai requisiti indicati nel "Manuale per la certificazione ENplus del pellet di legno da riscaldamento" Rev. ITA 2.0 – Aprile 2013, basato sulle norme europee UNI EN 14961-2: 2011 e UNI EN 15234-2: 2012, redatto dall'European Pellet Council (EPC), e risponde alla

classe di qualità A2

Meets the requirements of the "Handbook for the certification of wood pellets for heating purposes" Rev. ITA 2.0 – April 2013 based on the European Standards: UNI EN 14961-2: 2011 and UNI EN 15234-2: 2012, drawn up by European Pellet Council (EPC) and conforms to the A2 quality class.

DATA PRIMA EMISSIONE / FIRST ISSUE DATE 16.12.2013

VALIDO FINO AL / VALID UNTIL 16.12.2016

Direttore ENAMA / ENAMA Director

Presidente ENAMA / ENAMA President

La validità del presente certificato è subordinata alla sorveglianza periodica. Il certificato può essere sospeso o revocato in caso di inadempienza accertata da Enama. Il presente certificato è stato rilasciato in ottemperanza al contratto di cooperazione tra AIEL – Associazione Italiana Energie Agroforestali, detentrica della licenza ENplus per l'Italia e l'ente di certificazione ENAMA in adempimento ai requisiti indicati nel manuale sulla certificazione di pellet di legno ad uso energetico redatto dall'European Pellet Council (EPC).

Present certificate validity is subjected to periodical surveillance. The certificate can be suspended and withdrawn at any time in the event of not fulfilment ascertained by Enama. Present certificate is issued in compliance with the cooperation Agreement between Enama and Aiel - (Agroforestry Energy Italian Association, holder in Italy of the Enplus licence) in order to fulfil the requirements of the Handbook for the certification of wood pellets for heating purposes, drawn up by European Pellet Council (EPC).

Allegato 1 al certificato ENplus / Annex 1 certificate

ID-Nr.: RS 003

REGISTRAZIONE ENAMA N° 016 – RS003 / ENAMA REGISTRATION N°016 – RS003

Elenco dei marchi commerciali

Trademarks list

Si certifica che il pellet di legno per riscaldamento domestico prodotto e distribuito da:

It is certificated that the Wood Pellet for Heating Purposes produced and traded by:

SPIK IVERICA D.o.o.

Via Marinkovica, 139 – 32250 Ivanjica SRBIJA

È commercializzato con i seguenti marchi commerciali:

Is marketed with the trademarks:

- Spikfire;
- Spikwood;
- Kaio pellet;
- Bruciami pellets;
- Nord flame pellets.

La concessione d'uso del marchio e del numero identificativo da parte di rivenditori è subordinata e regolata da specifici contratti tra il titolare del certificato e il rivenditore che ne usufruisce. Il titolare del certificato è responsabile del corretto uso del marchio da parte del rivenditore e può revocarne l'uso.

The grant of the use of identification number and/or certificate mark by traders is subordinate and regulated by specific contracts between the certificate holder and the non-certified trader. The certificate holder is responsible of the correct use of the certificate mark by the non-certified trader and can revoke its use.

ROMA, 16.12.2013

Direttore ENAMA / ENAMA Director

Presidente ENAMA / ENAMA President

La validità del presente certificato è subordinata alla sorveglianza periodica. Il certificato può essere sospeso o revocato in caso di inadempienza accertata da Enama. Il presente certificato è stato rilasciato in ottemperanza al contratto di cooperazione tra AIEL – Associazione Italiana Energie Agroforestali, detentrica della licenza ENplus per l'Italia e l'ente di certificazione ENAMA in adempimento ai requisiti indicati nel manuale sulla certificazione di pellet di legno ad uso energetico redatto dall'European Pellet Council (EPC).

Present certificate validity is subjected to periodical surveillance. The certificate can be suspended and withdrawn at any time in the event of not fulfillment ascertained by Enama. Present certificate is issued in compliance with the cooperation Agreement between Enama and Aiel - (Agroforestry Energy Italian Association, holder in Italy of the Enplus licence) in order to fulfill the requirements of the Handbook for the certification of wood pellets for heating purposes, drawn up by European Pellet Council (EPC).

TEST REPORT

147898 / 1

Date received: 04-10-12
 Date of test: 09-10-12
 Date of issue: 12-10-12

Sample name: CAMPIONE DI PELLETT 1A FANTONI

Determination of ash content UNI EN14775:2010

Sampling: Carry out by customer
 temperature: 550 ± 20 °C
 Moisture content: 6,31 %
 Apparatus: Furnace

Test result:

N.	Ash on wet basis (%)	Ash on dry basis (%)
1	0,93	0,99
2	0,94	1,00
3	0,89	0,95

Mean value	0,92	0,98
-------------------	-------------	-------------

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

*Managing Director
 Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.



centro ricerche-sviluppo e laboratori prove
settori legno-arredo, ambiente e alimenti

CATAS S.p.A.
Iscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Impr. UD 20663
P. IVA : 01818850305
C.Soc. € 1.003.650,00 i.v.

Sede: Via Antica, 24/3
33048 S. Giovanni al Nat. UD
Tel. 0432.747211 r.a.
Fax 0432.747250
http://www.catas.com
e-mail: lab@catas.com

Filiale:
Via Braille, 5
20851 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: lissone@catas.com

TEST REPORT

147898 / 2

Date received: 04-10-12
Date of test: 24-10-12
Date of issue: 31-10-12

Sample name: **CAMPIONE DI PELLETT 1A FANTONI**



Determination of calorific value UNI EN 14918:2010

Sampling: Carry out by customer
Apparatus: Isoperibol calorimeter.

Test result:

Moisture content: 6,31 %

N.	Gross calorific value on dry basis MJ/kg	Net calorific value on wet basis MJ/kg
1	19,98	17,4
2	19,62	17,0
3	19,77	17,2
Mean value	19,79	17,2

Note:

1 cal x 4,1868 = 1 J

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

*Managing Director
Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

TEST REPORT

147898 / 3

Date received: 04-10-12
 Date of test: 26-10-12
 Date of issue: 31-10-12

Sample name: CAMPIONE DI PELLET 1A FANTONI

Determination of durability CEN/TS 15210-1:2006

Moisture: 6,30 %
 Amount of fines:
 N. 1 0,37 %
 N. 2 0,02 %

Test result

N.	Sample mass before tumbling g	Sample mass after tumbling g	Durability %
1	500,1	494,2	98,8
2	500,8	493,5	98,5
Mean			98,7

Note:

The test was carried out on the sample as received.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

*Managing Director
 Dr. Andrea Giavon*

TEST REPORT

147898 / 4

Date received: 04-10-12
 Date of test: 29-10-12
 Date of issue: 31-10-12

Sample name: CAMPIONE DI PELLET 1A FANTONI

**Metals determination by coupled plasma optical spectrometry (ICP-AES) -
 CATAS procedure**

SAMPLE PREPARATION

Direct attack of the sample with concentrated nitric acid by microwaveoven

TECHNIQUE USED

Inductively coupled plasma optical spectrometry (ICP-AES)

TEST RESULTS

The following value are referred to dry sample.

ELEMENT		VALUE
ARSENIC	mg/kg	< 0,1
LEAD	mg/kg	< 5
CADMIUM	mg/kg	< 0,5
MERCURY	mg/kg	< 0,1
COPPER	mg/kg	< 5
CHROMIUM	mg/kg	< 5
ZINC	mg/kg	< 5
SODIUM	%	0,002

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

*Managing Director
 Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.



centro ricerche-sviluppo e laboratori
prove

CATAS S.p.A.
Iscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Impr. UD 20663
P. IVA : 01818850305
C.Soc. € 1.003.650,00 i.v.

Sede: Via Antica, 24/3
33048 S. Giovanni al Nat. UD
Tel. 0432.747211 r.a.
Fax 0432.747250
http://www.catas.com
e-mail: lab@catas.com

Filiale:
Via Braille, 5
20851 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: lissone@catas.com

TECHNICAL REPORT n°: 147898 / 5 del 31/10/12

Date received: 04-10-12
Date of test: 24-10-12
Date of issue: 31-10-12
Sample name: CAMPIONE DI PELLET 1A FANTONI

Determination of Nitrogen, Chlorine and Sulphur - CATAS procedure

ANALYTICAL METHOD

Chlorine and Sulphur: Oxygen combustion, absorption in alkaline/hydrogen peroxide solution and analysis by ionic chromatography.

Total Nitrogen: Kjeldahl Method.

Test carried out on dry specimens.

RESULTS

ELEMENT	Units	VALUE
Chlorine (Cl)	% s.s.	0,01
Sulphur (S)	% s.s.	0,01
Total Nitrogen (TKN)	% s.s.	0,16

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

*Managing Director
Dr. Andrea Giavon*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.



centro ricerche-sviluppo e laboratori prove
settori legno-arredo, ambiente e alimenti

CATAS S.p.A.
Iscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Impr. UD 20663
P. IVA : 01818850305
C.Soc. € 1.003.650,00 i.v.

Sede: Via Antica, 24/3
33048 S. Giovanni al Nat. UD
Tel. 0432.747211 r.a.
Fax 0432.747250
http://www.catas.com
e-mail: lab@catas.com

Filiale:
Via Braille, 5
20851 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: lissone@catas.com

TEST REPORT

147898 / 6

Date received: 04-10-12
Date of test: 26-10-12
Date of issue: 31-10-12

Sample name: **CAMPIONE DI PELLET 1A FANTONI**

Formaldehyde content - EN 120:1992

Diameter	mm	6,0
Moisture content	%	6,3
Conditioning	-	Not requested by the customer
Sampling	-	Carried out by the customer
Received sample description	-	5 kg sack

Test results

mgHCHO/100g (dry sample)	0,6
--------------------------	------------

Material	Pellet
----------	--------

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

Managing Director
Dr. Andrea Giavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.