



centro ricerche-sviluppo
laboratorio prove settore legno-arredo

CATAS S.p.A.
C.F. – P.IVA:
IT 01818850305
Reg. Impr. Ud 20663
R.E.A. Ud 198012
Cap.Soc.: € 842.850 i.v.

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TEST REPORT

105221 / 1

Date received: 11-05-09

Date of test: 12-05-09

Date of issue: 03-06-09

Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Determination of moisture content CEN/TS 14774-2:2004

Sampling:

Carried out by AIEL technician

Temperature:

103±2 °C

Heating period:

12 h

Test results:

N.	Moisture %
1	8,58
2	8,73
3	8,41

Mean value	8,57
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Note: The test result is reported on a wet basis.

Head of Department
Dott. Franco Bulian

Managing Director
Dr. Andrea Giavon

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TEST REPORT**105221 / 2**

Date received: 11-05-09
Date of test: 12-05-09
Date of issue: 03-06-09
Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Determination of ash content CEN/TS 14775

Sampling: Effettuato dal richiedente
temperature: 550 ± 20 °C
Moisture content: 8,57 %
Apparatus: Furnace

Test result:

N.	Ash on wet basis (%)	Ash on dry basis (%)
1	0,79	0,86
2	0,77	0,84
3	0,78	0,85

Mean value	0,78	0,85
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Head of Department
Dott. Franco Bulian

Managing Director
Dr. Andrea Giavon

TEST REPORT**105221 / 3**

Date received: 11-05-09
Date of test: 15-05-09
Date of issue: 03-06-09
Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Determination of calorific value CEN/TS 14918:05

Sampling: effettuato dal richiedente
Temperature: 103±2 °C per 12 ore
Apparatus: Isoperibol calorimeter.

Test result:

Moisture content: 8,57 %

N.	Gross calorific value on dry basis MJ/kg	Net calorific value on wet basis MJ/kg
1	20,11	17,0
2	20,06	17,0
3	19,87	16,8
Mean value	20,01	16,9

Note:

1 cal x 4,1868 = 1 J

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Managing Director
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TEST REPORT**105221 / 4**

Date received: 11-05-09
Date of test: 20-05-09
Date of issue: 03-06-09
Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Determination of bulk density CEN/TS 15103:2005

Moisture: 8,6 %

Volume of container: 4,96 litres

Test result:

N°	Sample mass g	Bulk density kg/m ³
1	3079,8	621
2	3094,1	624
Mean		623

Note:

The test was carried out on the sample as received.

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TEST REPORT

105221 / 5

Date received: 11-05-09

Date of test: 20-05-09

Date of issue: 03-06-09

Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Determination of durability CEN/TS 15210-1

Moisture: 8,57 %

Amount of fines:

N. 1 0,02 %

N. 2 0,02 %

Test result

N.	Sample mass before tumbling g	Sample mass after tumbling g	Durability %
1	500,4	493,2	98,6
2	500,5	493,0	98,5
Mean			98,6

Note:

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TEST REPORT

105221 / 6

Date received: 11-05-09
Date of test: 20-05-09
Date of issue: 03-06-09

Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Metals determination by atomic absorption - CATAS procedure

SAMPLE PREPARATION

Sample solubilisation with nitric acid by means of microwave oven.

TECHNIQUE USED

Air-acetylene atomisation for Pb, Cd, Cu, Cr, Na, Zn

Cold vapors technique for Hg - Hydride system for As.

TEST RESULTS

The following value are referred to dry sample.

ELEMENT	VALUE
ARSENIC	mg/kg < 0,5
LEAD	mg/kg < 5
CADMIUM	mg/kg < 0,5
MERCURY	mg/kg < 0,5
COPPER	mg/kg 7,1
CHROMIUM	mg/kg < 5
ZINC	mg/kg 9,1
SODIUM	% 0,002

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RAPPORTO DI PROVA n° 105221 / 7 del 3-06-2009

Date received: 11-05-09
Date of test: 25-05-09
Date of issue: 03-06-09
Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

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.	0,02
Sulphur (S)	% s.s.	0,01
Total Nitrogen (TKN)	% s.s.	0,14

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TEST REPORT

105221 / 8

Date received: 11-05-09
Date of test: 26-05-09
Date of issue: 03-06-09
Sample name: Pellet per Pellet Gold

GOZDNO GOSPODARSTVO POSTOJNA
VOJKOVA UL. 9
6230 POSTOJNA
SI - SLOVENIA

Formaldehyde content - EN 120:1992

Thickness	mm	6,0
Moisture content	%	8,6
Conditioning	-	Not requested by the customer
Sampling	-	Carried out by AIEL technician
Received sample dimensions	mm	///

Test results:

mg HCHO/100 gr (dry board)	0,6
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