



TEST REPORT No. 98/2011

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Responsible : Mgr. Radovan Harant
Tel : 041 423 1500
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Customer order No.: 01/2011
Laboratory order No.: 11-00118
Number of samples : 1

Date of sample receipt to lab: 7.2.2011
Date of analyses from : 7.2.2011
to : 4.3.2011
Date of test report issue : 4.3.2011

Identification of samples:
Sign : wood pellets
Typ of sample :
Sample description :

Sampler : customer
Place of sampling :
Date of sampling :

Test results

Measure parameter	Lab. No.- Sign-	11-000510 wood pellets	U [%]	LOQ	Method	Standard	Typ of test
Gross calorific value	Q s(d) [MJ/kg]	20,2	2	5,00	K	PN 16.1	A
Net calorific value	Q i(d) [MJ/kg]	18,8	2	5,00	K	PN 16.1	A
Net calorific value	Q i(r) [MJ/kg]	16,9	2	5,00	K	PN 16.1	A
Net calorific value	Q i(daf) [MJ/kg]	18,9	2	5,00	K	PN 16.2	A
Total Moisture	W t(r) [%]	8,68	5	0,01	G	PN 16.3	A
Sulfur	S t(d) [%]	0,02	20	0,02	EA	PN 16.7	A
Sulfur	S t(r) [%]	0,02	20	0,02	EA	PN 16.7	A
Ash (815°C)	A (d) [%]	0,35	10	0,01	G	PN 16.4	A
Ash (550°C)	A (d) [%]	0,40	10	0,01	G	PN 16.4	A
Elementary analysis	C t(d) [%]	49,7	2	0,01	EA	PN 16.7	A
	H t(d) [%]	6,39	5	0,02	EA	PN 16.7	A
	N (d) [%]	0,10	10	0,01	EA	PN 16.7	A
Chlorine	Cl [%]	<0,01	30	0,01	RFS	PN 3.2	A
Arsenic	As [mg/kg]	<0,8	25	0,8	RFS	PN 3.2	A
Cadmium	Cd [mg/kg]	<0,5	20	0,5	RFS	PN 3.2	A
Chromium	Cr [mg/kg]	<5	15	5	RFS	PN 3.2	A
Copper	Cu [mg/kg]	<5	10	5	RFS	PN 3.2	A
Mercury	Hg [mg/kg]	<0,01	15	0,01	AAS	PN 1.12	A
Lead	Pb [mg/kg]	<5	10	5	RFS	PN 3.2	A
Zink	Zn [mg/kg]	14	10	5	RFS	PN 3.2	A
Nickel	Ni [mg/kg]	<4	15	4	RFS	PN 3.2	A
extr.org.halogenide	EOX	<1	15	1	C	PN 8.1	A
bulk density	[kg/dm ³]	1,14	3		G	PN 17.2	A
powder density	[kg/dm ³]	0,612	3		G	PN 16.6	A
size of pellets	length [mm]	<30					
	average [mm]	6					
	desing	kruhový					
abrasion	30 s [%]	0,8			L		SN
abrasion	60 s [%]	1,3			L		SN
amount of fines	F<3,15 mm [%]	0,4			RS	PN 17.3	A
ash fusibility							
deformation temperature	DT [°C]	902				STN ISO 540	SN
sphere temperature	ST [°C]	1440				STN ISO 540	SN
hemisphere temperature	HT [°C]	1471				STN ISO 540	SN
flow temperature	FT [°C]	1477				STN ISO 540	SN

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Acceptable are only written claims.

Abbreviations:

U Expanded uncertainty of measurement: relative combined standard uncertainty with coverage factor k=2.
LOQ Limit of quantification
A Accredited test
G Gravimetry
EA Elementary analysis
K Calorimetry
r as sampled
d moisture-free
AAS Atomic absorption spectrometry
PN Internal standard
RFS X-ray spectrometry
C Coulometry
L ligno tester

Test report performed :

RNDr. Nováková Jarmila

Test report authorized :

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