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## Certificate of Analysis No. 1760/14

Sample analysis results, wheat straw pellets

Customer: MIVA EKO PELET d.o.o  
Severoistočna zona bb  
22320 Indija, Srbija

Sample: Order: customer EMPLA AG no.420 /14  
Sampling location: Srbija, Indija  
Date of sampling: 23.03.2014.  
Sampled by: customer  
Sampling procedure: not given  
Date of receipt: 25.03.2014  
Date of analysis: 25.03.2014. - 07.04.2014  
Sample No.: 3708

Number of sample: customer designation and sample description  
3708 wheat straw pellets

Request for testing: in accordance with order - see table of results

Method of analysis:	*	combustion analysis	Combustible chlorine
	A89	SOP 09 (ČSN EN 13 137)	C,N,S,H element.anal.,
	*	calculation	Oelement. anal.
	A48	SOP 07	Fluoride
	A20	SOP V 16d(TNV 75 7440)	Mercury
	A 35 1.1	SOP 02_1.1	Metal on dry mass
	A 35 1.2	SOP 02_1.2	Metal on dry mass
		(Atomic Absorption Spectroscopy)	
	A34	SOP 0 1 (ČSN ISO 11 465)	Dry mass, ash and humidity
	A 100	SOP AP 1(ČSN ISO 1928)	Net calorific value , Gross calorific value

Table of results:

Parameter	Unit	3708
Dry mass	%mass	91,80
Mineralization		yes
Arsenic	mg/kg mass	<3
Chromium	mg/kg mass	<5
Cadmium	mg/kg mass	<0,5
Copper	mg/kg mass	4,34
Nickel	mg/kg mass	<5
Lead	mg/kg mass	14,4
Mercury	mg/kg mass	0,057
Vanadium	mg/kg mass	<5
Zinc	mg/kg mass	10,5
Combustible chlorine*	%mass	0,26
Fluoride	mg/kg mass	28,8
Net calorific value	MJ/kg	16,95
Ash	%mass	8,09

## Table of results -continuation:

Parameter	Unit	3708
Nitrogen	% mass	0,8
Carbon	% mass	42,57
Sulphur	% mass	<0,30
Hydrogen	% mass	5,46
Oxygen *	% mass	43,08
Gross calorific value	MJ/kg;	18,15

<-results under limit of quantification

\* - non accredited analysis

The results are related only to the tested items.

Uncertainty values of tests are available in laboratory on requisition.

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Hradec Králové, 07.04. 2014  
 Worked up: Ing. L. Roubalová

Assent: