

Test Report No: 115138/01

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Client:
**SUSTAINABLE WORLD ENERGY SL
 C / PROVENCALS 10
 ES-8019 BARCELONA**
Test object: Bamboo Pellet

Date of Receipt: 2015-03-09

Container: Plastic bag

Designation: Bamboo Pellet

Order from: 2015-03-09

Compiler:

Property	Unit	Result	Test Method
Moisture			DIN 51718
as-received	% (m/m)	7,7	
as-determined	% (m/m)	3,8	
Ash content at 550°C			DIN 51719
as-received	% (m/m)	2,46	
as-determined	% (m/m)	2,56	
dry	% (m/m)	2,67	
Fixed carbon			DIN 51720
as-received	% (m/m)	15,9	
as-determined	% (m/m)	16,5	
dry	% (m/m)	17,2	
Volatile matter			DIN 51720
as-received	% (m/m)	74,0	
as-determined	% (m/m)	77,1	
dry	% (m/m)	80,2	
Calorific value, gross			DIN 51900
as-received	MJ/kg	18,21	
as-determined	MJ/kg	18,97	
dry	MJ/kg	19,73	
Calorific value, net			DIN 51900
as-received	MJ/kg	16,93	
as-determined	MJ/kg	17,75	
dry	MJ/kg	18,55	
Elementary analysis, Carbon			DIN EN 15104 ¹
as-received	% (m/m)	44,92	
as-determined	% (m/m)	46,80	
dry	% (m/m)	48,67	
Elementary analysis, Hydrogen			DIN EN 15104 ¹
as-received	% (m/m)	5,80	
as-determined	% (m/m)	5,60	
dry	% (m/m)	5,40	
Elementary analysis, Nitrogen			DIN EN 15104 ¹
as-received	% (m/m)	0,25	
as-determined	% (m/m)	0,26	
dry	% (m/m)	0,27	

Remark:

The test results are only valid for the analysed sample. The utilisation of the report for advertising purposes, or reference to it in publications, requires the permission of (Schweiz) AG. Details of the analyses (norms, SOPs), as well as limits of detection and standard deviations can be obtained from Intertek (Schweiz) AG. Files, including reports, are retained for ten years at Intertek (Schweiz) AG. The raw data is held at (Schweiz) AG for ten years. The sample is held at Intertek (Schweiz) AG for at least one month after the report has been completed.

¹ Subcontractor, ² Method not accredited

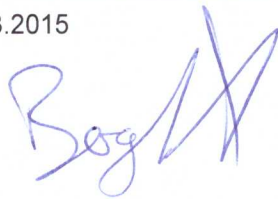
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Property	Unit	Result	Test Method
Sulfur			DIN EN 15289 ¹
as-received	% (m/m)	0,044	
as-determined	% (m/m)	0,046	
dry	% (m/m)	0,048	
Cl Chlorine (dry)	% (m/m)	0,04	EN 15289 ¹
Hg Mercury (dry)	mg/kg	<0,05	EN 1483 ¹
Trace Elements (dry)			DIN EN ISO 17294-2 ¹
As Arsen	mg/kg	<0,8	
Al Aluminum	mg/kg	150	
Co Cobalt	mg/kg	<1	
Ba Barium	mg/kg	5,0	
Ca Calcium	mg/kg	1160	
Cd Cadmium	mg/kg	<0,2	
Cr Chromium	mg/kg	4,0	
Cu Copper	mg/kg	2,0	
Fe Iron	mg/kg	210	
Mg Magnesium	mg/kg	350	
Mn Manganese	mg/kg	38	
Mo Molybdenum	mg/kg	<2	
Na Sodium	mg/kg	38	
Ni Nickel	mg/kg	<1	
P Phosphorus	mg/kg	190	
Pb Lead	mg/kg	<2	
Si Silicon	mg/kg	4930	
K Potassium	mg/kg	3490	
V Vanadium	mg/kg	<1	
Zn Zinc	mg/kg	7	

Schlieren, 26.03.2015

Project Leader:



A. Bergthold


 STS-Nr. 0452
 Februar 2006

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