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Certificate of Accreditation, reg. No. 9 JIH / 28.05.2012
valid until 31.05.2016, issued by EA BAS, in accordance with
the requirements of standard BDS EN ISO/IEC 17025:2006

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TEST REPORT

No. 4140 / 13.11.2013

- 1 Biomass, charcoal.....
(product designation – type, brand, sort, etc.)
- 2 Client: Unicom Ltd. – the sample is submitted by the client.....
(client's name and address, sampling report number and date)
- 3 Test method: BDS EN 14774-2:2009; BDS EN 14774-3:2010; DIN 51719:1997; ETC V3I2/7.3-7/2010;
BDS EN 1860-2:2005; BDS EN 15148:2009; BDS EN 14918:2010 – indexes in accordance with it. 7 of the Report
(standard or validated method name and number)
- 4 Specimens/Samples receiving date for test in the laboratory with Request incoming No. 2197/12.11.2013
- 5 Tested samples quantity: 1 sample, taken from charcoal - Workshop for charcoal.....
(samples factory number, samples quantity and their mass,
.....
batch quantity, import invoice number, production date)
- 6 Test performing date/period: from 12.11.2013 to 13.11.2013

MANAGER TEST LABORATORY:

J. Akrafova

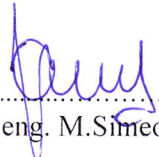


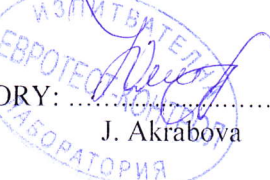
7 TEST RESULTS

No.	Index name	Unit	Standards / validated methods	Sample incoming and outgoing number in journal	Test results (value, uncertainty)	Index value and limit	Test conditions
1	2	3	4	5	6	7	8
						Norms in accordance with BDS EN 1860-2:2005	
1	Moisture			Sample, lab No.30130, from charcoal - Workshop for charcoal			t (22 ± 4) °C, RH (30±60) %
1.1	Total, working /W _t ^{ar} /	%	BDS EN 14774-2:2009		2.00 ± 0.06	≤ 8	
1.2	Analytical /W ^a /	%	BDS EN 14774-3:2010		0.23 ± 0.01	Not normalized	
2	Ash (on dry fuel) /A ^d	%	BDS EN 14775:2009		1.74 ± 0.05	≤ 8	
3	Sulphur (total on dry fuel) /S ^d /	%	ETC V312/7.3-7/2010		0.030 ± 0.002	Not normalized	
4	Volatile matter(on dry mass) /V ^d /	%	BDS EN 15148:2009		21.77 ± 0.44	Not normalized	
5	Fixed carbon/C _{fix} /	%	BDS EN 1860-2:2005		76.49 ± 1.53	≥ 75	
6	Calorific value (net on dry fuel) /Q _l ^{ad} /	MJ/kg	BDS EN 14918:2010		29.63 ± 0.10	Not normalized	
7	Calorific value (net on working fuel) /Q _s ^{ar} /	MJ/kg	BDS EN 14918:2010		28.98 ± 0.10	Not normalized	

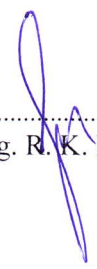
Opinion on the test results: The tested sample by characteristics: total moisture, working; ash (on dry fuel) and fixed carbon with lab. No. 30130, conforms to the requirements of BDS EN 1860-2:2005.

NOTE I: Test results are related only to the samples tested. Test report excerpts are not allowed to be reproduced without the prior permission in writing of the testing laboratory.

TEST PERFORMERS: 
eng. M.Simeonova

MANAGER TEST LABORATORY: 
J. Akrafova


S.Angelova

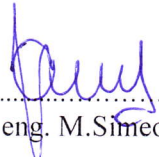
HEAD OF DEPARTMENT: 
eng. R. K. Krasteva

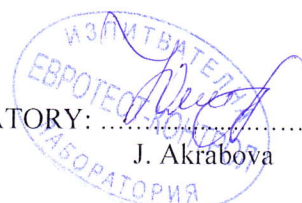
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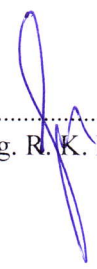
Opinion on the test results: The tested sample by characteristics: total moisture, working; ash (on dry fuel) and fixed carbon with lab. No. 30130, conforms to the requirements of BDS EN 1860-2:2005.

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