



**LABORATORY FOR TESTING OF SOLID BIOFUELS
AND COMPOST**

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FK 5.10.01

Certificate of Accreditation, Reg. No. 192 LI / 04. 01 .2016 valid until 04.01.2020, issued by EA BAS, in accordance with the requirements of standard BDS EN ISO/IEC 17025:2006

TEST REPORT
№ 32-L-PI-282 / 26.05.2017

1 SOLID BIOFUELS - WOOD PELLETS

/sample name – type/

2 CUSTOMER */customer's name and address/*

**AHIRA LTD
ROGOSH, 4 VAZRAZHDANE STR
BOYAN LEKOV**

3 282 / 22.05.2017 / The sample is submitted by the client

/sample number, sample receiving day in the laboratory/

4 32-05-282 / 22.05.2017

/number and date of the request/

5 The sample is submitted by the client

/number and day of the sampling report/

6 15 kg

/sample weight/

7 TEST METHOD */name and number of the standardized method/*

**EN ISO 18134-2:2015
EN ISO 18134-3:2015
EN ISO 18122:2015
BDS EN 14918:2010**

**EN ISO 16948:2015
EN ISO 17828:2016
EN ISO 17831-1:2016**

8 31.03.-04.04.2017

/sample test performing period/

HEAD OF THE LABORATORY

/PHD E. Piskova/

/signature and stamp/



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NOTE 1: Extracts from the test report may not be reproduced without written consent of the testing laboratory.

NOTE 2: The results are related only to the samples tested



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9 TEST RESULTS

№	PARAMETAR	UNIT	STANDARD	SAMPLE NUMBER	TEST RESULTS	LIMITS*	TEST CONDITIONS
1	Moisture content total Mar	%	EN ISO 18134-2:2015	Sample 282/22.05.2017 / wood pellets	6,07 ± 0,08	M10 ≤ 10*	T 105 °C**
2	Moisture in the general analyzed sample Md	%	EN ISO 18134-3:2015		5,96 ± 0,06	-	T 105 °C**
3	Ash content (dB) Ad	%	EN ISO 18122:2015		0,71 ± 0,02	A0,7 ≤ 0,7*	T 550 °C**
4	Net calorific value (dB)	MJ/kg	BDS EN 14918:2010		18,73 ± 0,13	-	T 22,9°C RH 33%***
		kWh/kg			5,20	-	
		kcal/kg			4475	-	
5	Net calorific value (as resived)	MJ/kg	BDS EN 14918:2010		17,45 ± 0,12	Q16,5 ≥ 16,5*	T 1100 °C**
		kWh/kg			4,85	Q4,6 ≥ 4,6*	
		kcal/kg			4170	-	
7	Total carbon content (dB)	%	EN ISO 16948:2015		51,54 ± 0,07	-	T 1100 °C**
8	Total hydrogen content (dB)	%	EN ISO 16948:2015		6,41 ± 0,07	-	
9	Total nitrogen content (dB)	%	EN ISO 16948:2015	0,09 ± 0,01	N0,3 ≤ 0,3*		
10	Bulk density BD	kg/m ³	EN ISO 17828:2016	645 ± 3	BD600 ≥ 600*	T 22,9°C RH 33%***	
11	Mechanical durability DU	%	EN ISO 17831-1:2016	98,96 ± 0,05	DU97,5 ≥ 97,5		

*The test results correspond to the requirements of BDS EN 17225-1:2014 and BDS EN 17225-4:2014

**Test conditions according to the requirements of the used standards

***Test conditions (temperature and relative humidity) in the laboratory

END

RESPONSIBLE FOR THE TESTS:

/ V. Zephanova /

PLOVDIV

/ N. Balmezova /



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