

9. Test results

Sample №, lab. №, object: Sample № 1, lab. № 2001287, taken from wood pellets from sunflower husk, average sample from batch № 3

Measurement value and range defined by specification (norm, category) according to: БДС EN ISO 17225 - 6:2014, table 1, class A

№	Measurand	Standards / validated methods	Unit	Measurement result (quantity value, uncertainty)	Measurement value and range defined by specification	Compliance with specification / standard	Environmental conditions
1	2	3	4	5	6	7	8
1	Total moisture	БДС EN ISO 18134-2:2017	%	8.91 ± 0.18	M12 ≤ 12	comply	t (22±4) °C RH (30÷60)%
2	Analytical moisture	БДС EN ISO 18134-3:2015	%	0.82 ± 0.02	not normalized	-	t (22±4) °C RH (30÷60)%
3	Ash				-		t (22±4) °C RH (30÷60)%
	Ash (on dry fuel, Ad)	БДС EN ISO 18122:2015	%	3.13 ± 0.09	A6.0 ≤ 6.0	comply	t (22±4) °C RH (30÷60)%
4	Sulfur				-		t (22±4) °C RH (30÷60)%
	Sulfur (on dry fuel, Sd)	ETC 7.3-4/2014	%	0.13 ± 0.01	S0.20 ≤ 0.20	comply	t (22±4) °C RH (30÷60)%
5	Calorific value				-		t (22±4) °C RH (30÷60)%
	Calorific value (net on working fuel, Qnet,v,ar)	БДС EN ISO 18125:2017	kWh/kg	4.70 ± 0.02	Q4.0 ≥ 4.0	comply	t (22±4) °C RH (30÷60)%
	Calorific value (net on working fuel, Qnet,v,ar)	БДС EN ISO 18125:2017	MJ/kg	16.93 ± 0.08	Q14.5 ≥ 14.5	comply	t (22±4) °C RH (30÷60)%

Assessment of compliance: The tested sample № 1, lab. № 2001287 on measurands: Total moisture; Ash (on dry fuel, Ad) ; Sulfur (on dry fuel, Sd); Calorific value (net on working fuel, Qnet,v,ar) conforms to the requirements of БДС EN ISO 17225 - 6:2014, table 1, class A. Assessments of compliance are based on the decision making rule defined in ILAC G8:2009 with Guard Bands and the Global Risk associated with it. Guard Bands are defined as 1U, where U is the expanded measurement. The statement of conformity is Binary Statement. The probability of false acceptance of the result is ≤ 2%.

NOTES: I. TLD is not responsible for the accuracy of sampling, sample storage life and sample storage conditions preceding submission to the laboratory.

II. The uncertainty of the reported results does not include the contribution of the sampling process.

HEAD OF DEPARTMENT:.....

/eng. Radosvetla Krasteva /

DIRECTOR OF TESTING

LABORATORY DIRECTORATE:.....

/ Yuliana Akrabova /

