



TECHNICAL UNIVERSITY OF MOLDOVA

Scientific Laboratory of Solid Biofuels

MD-2049, Chisinau, Mircești str., nr. 56, tel: (373-22) 43.24.55. 079446342 fax
(373-22) 31-22-32. E-mail: marian@uasmd.md

TEST REPORT

No. 8 Date 07.08.2023

Client: SA Floarea Soarelui

Client order: 02.07.23. LŞBCS

Date of sample received: The samples for testing were presented by the customer on his own responsibility

Date received: 24.07.2023

Date reported: 04.08.2023

Sample quantity: 15kg

Test purposes: Compliance tests

Name of sample: Pellets from sunflower shell

Laboratory Sample ID: 06.07/P 1-3, 6-12

Table of test

No.	Test parametrs	Test methods	Rezult	Normative according to SM EN ISO 17225
1.	Gross calorific value dry	SM EN ISO 18125:2017	20,28 MJ/kg; (4842 kcal/kg)	Not specified
2.	Net calorific value dry	SM EN ISO 18125:2017	18,95 MJ/kg; (4524.96 kcal/kg)	Not specified
3.	Net calorific value as delivered ¹⁾	SM EN ISO 18125:2017	17,32 MJ/kg; (4136.48 kcal/kg)	Q=17,34 MJ/kg
4.	Moisture as delivered	SM EN ISO 18134-1:2017	7,6 %	M 10
5.	Bulk density	SM EN ISO 17828	604,9 kg·m ⁻³	BD 600
6.	Ash dray	SM EN ISO 18122:2017	2,35 %	A 3.0
7.	Carbon dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	47,97%	Not specified
8.	Hydrogen dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	6,1%	Not specified
9.	Nitrogen dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	0,5%	N 0,5
10.	Sulfur dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	0,04%	S 0,05
11.	Chlorine dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	0,03	0,03

1. The net calorific value as delivered was determined for moisture 7,6%.
2. The tests were carried out at the following environmental conditions: $t = 22^{\circ}\text{C}$; Umid. rel. = 65%.
3. The results are shown in the document refer only to the samples received and tested and not intended to be representative of any lot, cargo or shipment.
4. The document cannot be reproduced except in full, without prior approval of the testing laboratory

Head of the laboratory

Univ. prof. Marian Grigore



Ex. original/copie nr. ___/2

Cod: FR RÎ-5.10.2, Ed. 1
Pagina 1 din 1