

TEST REPORT

No. 9 Date 18.09.2024

Client: SA Floarea Soarelui

Client order: 06.08.2024 LŞBCS, contract no.5/09.08.2024

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

Date received: 06.08.2024

Sample quantity: 30 kg

Date reported: 18.09.2024

Test purposes: Compliance tests

Name of sample: Pellets from sunflower shell

Laboratory Sample ID: 09.08.P/1-12

Table of test

No.	Test parameters	Test methods	Result	Normative according to SM EN ISO 17225
1.	Gross calorific value dry	SM EN ISO 18125 2017	20,24 MJ/kg	Not specified
2.	Net calorific value dry	SM EN ISO 18125 2017	18,91 MJ/kg	Not specified
3.	Net calorific value as delivered ¹⁾	SM EN ISO 18125 2017	17,14 MJ/kg	Q=17,14 MJ/kg
4.	Moisture as delivered	SM EN ISO 18134-2:2024	8,33 %	M 10
5.	Bulk density	SM EN ISO 17828	606,1 kg·m ⁻³	BD 600
6.	Ash content dry	SM EN ISO 18122:2023	2,83 %	A 3.0
7.	Volatile matter	SM EN ISO 18123:2023	78%	Not specified
8.	Mechanical durability	SM EN ISO 17831-2:2017	97,6	DU 97,5
9.	Fine content	SM EN ISO 18846:2017; SM EN ISO 5370:2023	0,07%	F ≤ 1
10.	Carbon dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	42%	Not specified
11.	Hydrogen dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	6,1%	Not specified
12.	Nitrogen dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	0,5%	N 0,5
13.	Sulfur dry material	SM ISO 29541:2016 SM EN ISO 16994:2017	0,04%	S 0,05
14.	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 8,33%.
2. The tests were carried out at the following environmental conditions: $t = 21^{\circ}\text{C}$; Umid. rel. = 64%.
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