

TEST REPORT No. 492345/23/TYC/Z1
Replaces test report no. 492345/23/TYC of 14.09.2023

Client UNIPALLET s.r.o. Landererova 8 811 09 Bratislava		Sample <i>according to declaration of Client</i> Sample description: Pellets Aim of the test/intended use of results: determination of fuel quality parameters Reference number: 225/TCH/23/01 Type of packaging: plastic bag Method of sample preparation for analysis: PN-EN ISO 14780:2017-07 (accredited method, AK 011) Sample prepared by an employee of the Inspection Unit J.S. Hamilton Poland Sp. z o. o.
Sample reception date:	12.09.2023	Sample status: no objections Sample received from the Client
Start of analysis:	14.09.2023	
End of analysis:	14.09.2023	
Test report date:	15.09.2023	

Test Method	Unit	Result
* Hydrogen content PN-EN ISO 16948:2015-07		
Hydrogen content (air - dried)	%	6,4
Hydrogen content (as received)	%	6,1
* Moisture content in test sample PB-98 ed. III of 21.05.2013		
Moisture content of the analytical sample	%	4,96
* Total moisture PN-EN ISO 18134-2:2017-03		
	%	8,4
* Carbon content PN-EN ISO 16948:2015-07		
Carbon content (analytical state)	%	48,8
Carbon content (as received)	%	47,1
* Ash content PN-EN ISO 18122:2016-01		
Ash content (air - dried)	%	4,1
Ash content (as received)	%	4,0
* Sulphur content PN-EN ISO 16994:2016-10 p. 4.4		
Sulfur content (analytical state)	%	0,09
Sulfur content (as received)	%	0,09
* Net Calorific Value PN-EN ISO 18125:2017-07		
Calorific value	kJ/kg	18231

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Net calorific value (as received)	kJ/kg	17483
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Identification of the change: sample description in English

Authorized by:

Ewa Surowiec, Analysis Expert Fuel Laboratory Tychy

This report is approved by the qualified electronic seal of J.S. Hamilton Poland Sp. z o.o.

Laboratory address:

Goździków 1, 43-100 Tychy

The results refer only to the samples received. When a measurement uncertainty is given, it is an expanded uncertainty estimated for a coverage factor $k=2$ at 95% confidence level and is not including sampling uncertainty, unless otherwise stated. When the conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019, unless otherwise reported. If the "result" column of the accredited method contains a record: "<" or ">", it means, that it is the test outcome directly related to the lower or upper limit of the measuring range of the accredited method, whereas the given expanded measurement uncertainty relates only to the lower or upper limit of the measuring range of the accredited method respectively. In such a case, the Laboratory presents the opinion and interpretation in the "statement of conformity" column, which is based on the obtained test outcome. This test report may not be copied in part without the prior written permission of J.S. Hamilton Poland Sp. z o.o. The responsibility of J.S. Hamilton Poland Sp. z o.o. is limited solely to the data issued in its original. J.S. Hamilton Poland Sp. z o.o. does not permit the use of the PCA accreditation symbol AB 079 by customers, subcontractors, external service providers and other third parties. For further information please refer to the PCA document - DA-02. The service confirmed by this report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on www.hamilton.com.pl.

* Test method accredited

Test performed by external provider

THE END OF THE REPORT