

ORIGINAL

CERTIFICATE OF ANALYSES

FILE No CC2200027

**CUSTOMER:** "Pellegrin" LLC  
**CUSTOMER'S** 1  
**SAMPLE No:**  
**LABORATORY** 0617/3.1  
**SAMPLE No:**

**FUEL TYPE: \*** straw pellets  
**DATE OF DELIVERY:** 17.02.2022  
**DATE OF ANALYSIS:** 17-21.02.2022

**ANALYSES:**

The sample with the laboratory No 0617/3.1 was analyzed in the accredited according DSTU EN ISO/IEC 17025:2019 (EN ISO/IEC 17025:2017, IDT; ISO/IEC 17025:2017,IDT) (certificate: No 20880) in accordance with the normative documents nominated below.

ANALYSIS RESULTS

PARAMETERS	NORMATIVE DOCUMENTS	PARAMETERS VALUE
Total Moisture, $M_{ar}$ , %	BS EN ISO 18134-1:2015	9,0
Ash (dry basis), $A_d$ , %	BS EN ISO 18122:2015	8,0
Total Sulfur, $W_{s,d}$ , %	BS EN ISO 16994:2016	0,08
Volatile Matter, $V_d$ , %	BS EN ISO 18123:2015	72,7
Net Calorific Value, $q_{net,ar}$ kcal/kg	ISO 18125:2017	3610
Net Calorific Value, $q_{net,ar}$ MJ/kg		15,11
Gross Calorific Value, $q_{gr,daf}$ kcal/kg		4641
Gross Calorific Value, $q_{gr,daf}$ MJ/kg		19,43
Determination of ash fusibility, °C	CEN/TS 15370-1:2006	950
Deformation temperature, DT		1000
Sphere temperature, TS		1050
Hemisphere temperature, HT		1080
Flow temperature, FT		

\* According to customer's data

The test results relate only to the sample received from the customer. Cotecna/CCI is not responsible for the quality of product that is produced, sold or purchased by the Customer.

Date: 23.02.2022

Krivoy Rog

On behalf of  
Contemporary Certification and Inspection LLC



Marina BUKARANOVA

*This inspection has been performed on the goods for which it was requested according to the professional standards and to the best of our knowledge on the date and at the place it was performed, within the scope of instructions received. This inspection does not release seller(s) and/or supplier(s) and/or shipper(s) and/or other parties involved from their respective contractual obligations and does not prejudice the buyer(s)/receiver(s) right to claim, under applicable law and contract, compensation from seller(s)/supplier(s)/shipper(s) regarding any defects not detected during our inspection or occurring thereafter. This inspection is also subject to COTECNA Terms and Conditions of Business 2018. ([http://www.cotecna.com/en/About/Cotecna\\_Terms-Conditions](http://www.cotecna.com/en/About/Cotecna_Terms-Conditions)). Headings and titles in this certificate/report are for reference only and the findings contained herein prevail as stated*

Ф.4.04/3



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ISO/IEC 17020:2012