

# CONFIRMATION

1060/18/2018

for the product: **Briquettes Štěpán**

Material: sawdust from soft coniferous wood

Origin and source: 1.2.1 Chemically untreated wood residues

Country of origin: Czech Republic

Customer (manufacturer): **Pavel Štěpán**

Kučerov 64

682 01 Vyškov

Czech Republic

Identification Code: 15243133

**TÜV NORD Czech, s.r.o.**

**Laboratoře a zkušebny Brno**

Czech Republic

does approve that the sample of concerned product was analysed in accordance with EN ISO 17225-3 and Decree of the Ministry of the Environment Nr. 415/2012 Sb. with the following results:

Analytical characteristic	Unit	Resultant values in Test Report	Requirements of EN ISO 17225-3, A1	Requirements of Decree Nr. 415/2012 Sb.	Marking properties
Dimensions: Length L <sub>1</sub>	mm	280	-	-	-
Diameter D	mm	85	-	-	-
Shape	-	1	-	-	-
Surface area of briquettes	cm <sup>2</sup> /kg	435	-	-	-
Particle density	g/cm <sup>3</sup>	1,25	≥ 1,0	-	DE1.0
Total moisture, as received	% (m/m)	9,77	≤ 12	< 15	M12
Ash, dry basis	% (m/m)	0,82	≤ 1,0	< 10	A1.0
Net calorific value, as received	MJ/kg	16,356	≥ 15,5	-	Q15.5
Net calorific value, dry basis	MJ/kg	18,393	-	> 15	-
Sulphur, dry basis	% (m/m)	0,01	≤ 0,04	-	S0.04
Nitrogen, dry basis	% (m/m)	0,16	≤ 0,3	-	N0.3
Chlorine, dry basis	% (m/m)	0,003	≤ 0,02	< 10	Cl0.02
Arsenic, As, dry basis	mg/kg	< 0,5	≤ 1	< 5	-
Cadmium, Cd, dry basis	mg/kg	0,28	≤ 0,5	< 1,05	-
Chromium, Cr, dry basis	mg/kg	< 1,0	≤ 10	-	-
Copper, Cu, dry basis	mg/kg	1,92	≤ 10	-	-
Lead, Pb, dry basis	mg/kg	< 1,0	≤ 10	< 10	-
Mercury, Hg, dry basis	mg/kg	0,004	≤ 0,1	< 0,05	-
Nickel, Ni, dry basis	mg/kg	< 1,0	≤ 10	-	-
Zinc, Zn, dry basis	mg/kg	12,8	≤ 100	-	-

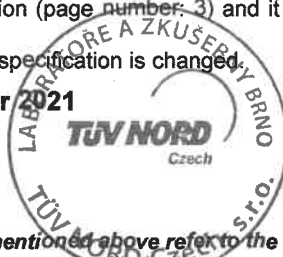
**Final values meet requirements of standards EN ISO 17225-3, class A1 and Decree of the Ministry of the Environment Nr. 415/2012 Sb.**

This confirmation was issued on the basis of results from the Test report No. 1224/2018 dated on 31<sup>th</sup> October 2018 issued by the testing laboratory No. 1060, accredited by CIA according to ČSN EN ISO/IEC 17025:2005, of the company TÜV NORD Czech, s.r.o., Czech Republic. The Test Report is annex of this confirmation (page number: 3) and it is an integral part of the confirmation. The sampling was carried out by the customer.

The confirmation becomes ineffective if any technical specification is changed.

The validity of the confirmation to: **30<sup>th</sup> October 2021**

Brno, on 31<sup>th</sup> October 2018



*Hrušková*

**Mgr. Veronika Hrušková**

Assistant of head of Testing laboratories Brno

*The test results mentioned above refer to the tested specimen only.*

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