

The laboratory is not accredited to make tests marked with [N] sign.

Test report No. 180313/013

1. Customer's name and address	PWR - Plastic waste recycling a.s., Dr. Vladimíra Clementisa 10, 821 02 Bratislava
2. Sample description and identification (internal identification)	Heavy fraction, 7.3.2018 (610020)
3. Order / contract No.	005-2018
4. Sampling / Plan / Sampling method / Date	Customer / - / - / -
5. Date of sample delivery	07.03.2018
6. Testing methods	See table Testing results
7. Anomalies, additions or exceptions from testing methods / Range of work / Subcontractor	- / -
8. Date of testing performing	07.03.2018 - 09.03.2018

Note: Measurement uncertainty values are available at testing laboratories.

Statement:

The results relate only to the items tested. Except in full, the Test report shall not be reproduced without written approval of the testing laboratories.

Test report is the output of protected electronically processed data and electronic version is also valid without signature and stamp.

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TESTING RESULTS

Item	Sample identification	Property	Testing method	Units	Results
1	Tazka frakcia, 7.3.2018 (610020)	[N] Silicium	IP 501	mg/kg	43.4
2		[N] Aluminium	IP 501	mg/kg	<1.00
3		[N] Sodium	IP 501	mg/kg	<1.00
4		[A] Density at 15 °C	STN EN ISO 12185	kg/m3	811.7
5		[A] PAH	STN EN 12916	% (m/m)	2.9
6		[A] Sulphur	KK-LEA-PP04 (STN EN ISO 20846, ASTM D5453)	mg/kg	58.6
7		[A] Flash point, closed cup	STN EN ISO 2719	°C	62.0
8		[A] Carbon residue (CCT)	STN EN ISO 10370	% (m/m)	0.21
9		[A] Ash	STN EN ISO 6245	% (m/m)	0.020
10		[A] Total contamination	STN EN 12662	mg/kg	16.5
11		[A] Copper strip corrosion (3h at 50°C)	STN EN ISO 2160	-	1a
12		[N] Oxidation stability	STN EN ISO 12205	g/m3	210
13		[A] Lubricity (wsd 1.4)/60 °C	STN EN ISO 12156-1	µm	228
14		[A] Viscosity at 40 °C	STN EN ISO 3104 + AC	mm2/s	2.889
15		[A] 95 % (V/V) recovered	STN EN ISO 3405	°C	377.5
16		[A] at 250 °C recovered	STN EN ISO 3405	% (V/V)	32.2
17		[A] at 350°C recovered	STN EN ISO 3405	% (V/V)	83.4
18		[A] Cold filter plugging point, (CFPP)	STN EN 116	°C	14
19		[N] Nitrogen	ASTM D 4629	mg/kg	1233
20		[A] Water	PP SIII 0001 (ASTM E203)	% (m/m)	0.011
21		[A] Pour point	STN ISO 3016	°C	9

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Item	Sample identification	Property	Testing method	Units	Results
22		[N] Heating value	STN 65 6169	MJ/kg	43.108

[A] accredited testing methods

[N] non-accredited testing methods

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Approved by:

Ing. Martina Slezáčková
Manager of testing laboratories

In Bratislava 13.03.2018

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